



WORLD VEGETABLE CENTER

(Legal name: Asian Vegetable Research and Development Center)

FINANCIAL STATEMENTS

FOR THE YEARS ENDED DECEMBER 31, 2019 and 2018

WITH

REPORT OF INDEPENDENT AUDITORS

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Independent Auditors' Report

To the Board of Directors
World Vegetable Center

Opinion

We have audited the financial statements of World Vegetable Center (“the Center”), which comprise the statement of financial position as of December 31, 2019 and 2018, the statements of activities, statement of changes in net assets and cash flows for the years ended December 31, 2019 and 2018, and notes to the financial statements, including a summary of significant accounting policies.

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the Center as at December 31, 2019 and 2018, and its financial performance and its cash flows for the years then ended in accordance with the internationally accepted accounting principles for not-for-profit organizations as commonly adopted by international research centers.

Basis for Opinion

We conducted our audit in accordance with International Standards on Auditing (ISAs). Our responsibilities under those standards are further described in the *Auditors' Responsibilities for the Audit of the Financial Statements* section of our report. We are independent of the Center in accordance with the International Ethics Standards Board for Accountants' *Code of Ethics for Professional Accountants (IESBA Code)*, and we have fulfilled our other ethical responsibilities in accordance with these requirements and the IESBA Code. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Responsibilities of Management and Those Charged with Governance for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with the internationally accepted accounting principles for not-for-profit organizations as commonly adopted by international research centers, and for such internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.



In preparing the financial statements, management is responsible for assessing the Center's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Center or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Center's financial reporting process.

Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance, but is not a guarantee that an audit conducted in accordance with ISAs will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these financial statements.

As part of an audit in accordance with ISAs, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

1. Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
2. Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Center's internal control.
3. Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
4. Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Center's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditors' report to the related disclosures in the financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditors' report. However, future events or conditions may cause the Center to cease to continue as a going concern.



5. Evaluate the overall presentation, structure and content of the financial statements, including the disclosures, and whether the financial statements represent the underlying transactions and events in a manner that achieves fair presentation.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit and significant audit findings, including any significant deficiencies in internal control that we identify during our audit.

KPMG

CPA: 許振隆

Tainan, Taiwan, R.O.C

18 March, 2020

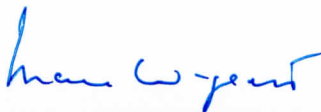
Report of Management

The financial statements of the World Vegetable Center are the responsibility of the management. The management is required to prepare annual financial statements which give a true and fair view of the financial position of the Center at the end of the year and of the results of activities and cash flows for that year. Management is responsible for the preparation and fair presentation of these financial statements in accordance with the basis of accounting described in Note II.


The World Vegetable Center maintains a system of internal controls designed to provide reasonable assurance that assets are safeguarded and transactions are properly executed. The World Vegetable Center's internal audit system provides ongoing evaluations of the adequacy, effectiveness and adherence to management's established policies and procedures. The Board of Directors exercises its responsibility for these financial statements through its Audit Committee.

The Audit Committee is composed of Director Members who are not officers of the Center and meets with the independent auditors, management and internal auditor periodically to discuss internal accounting controls, auditing and financial reporting matters. The Committee reviews, with the independent auditors, the scope and results of the audit effort.

The accompanying report is based on an audit by the independent accounting firm of KPMG.



Marco Wopereis
Director General



Dirk Overweg
Director of Finance

18 March, 2020

WORLD VEGETABLE CENTER
STATEMENT OF FINANCIAL POSITION
For the years ended December 31, 2019 and 2018
(Expressed in US Dollars)

ITEMS	NOTES	December 31, 2019		December 31, 2018	
		Amount	%	Amount	%
CURRENT ASSETS					
Cash and cash equivalents	II/ IV.1	\$ 11,869,514	82.8	13,378,654	85.3
Accounts Receivable	II				
- Donors	IV.2	1,146,554	8.0	495,227	3.1
- Regional Center/Offices		28,099	0.2	166,975	1.1
- Employees		71,202	0.5	106,755	0.7
- Others		22,405	0.1	50,314	0.3
Prepaid expenses		800,089	5.6	1,076,667	6.9
Inventories	II	<u>1,400</u>	<u>-</u>	<u>1,400</u>	<u>-</u>
Total Current Assets		<u>13,939,263</u>	<u>97.2</u>	<u>15,275,992</u>	<u>97.4</u>
PROPERTY AND EQUIPMENT	II/ IV.3				
Total cost		1,617,583	11.3	1,512,745	9.6
Less: Accumulated depreciation		<u>(1,221,721)</u>	<u>(8.5)</u>	<u>(1,103,898)</u>	<u>(7.0)</u>
Property and Equipment-Net		<u>395,862</u>	<u>2.8</u>	<u>408,847</u>	<u>2.6</u>
TOTAL ASSETS		<u>\$ 14,335,125</u>	<u>100.0</u>	<u>15,684,839</u>	<u>100.0</u>
CURRENT LIABILITIES					
Accounts payable	II				
- Donors	IV.4	\$ 5,011,955	35.0	6,779,882	43.2
- Regional Center/Offices		22,894	0.2	56,010	0.4
- Employees		781,148	5.4	702,408	4.5
- Others		376,895	2.6	372,799	2.4
Accruals	IV.5	<u>1,410,512</u>	<u>9.8</u>	<u>932,098</u>	<u>5.9</u>
Total Current Liabilities		<u>7,603,404</u>	<u>53.0</u>	<u>8,843,197</u>	<u>56.4</u>
NON CURRENT LIABILITIES					
Employee Separation Account	II/ IV.6	<u>1,423,987</u>	<u>10.0</u>	<u>1,512,019</u>	<u>9.6</u>
TOTAL LIABILITIES		<u>9,027,391</u>	<u>63.0</u>	<u>10,355,216</u>	<u>66.0</u>
NET ASSETS					
Accumulated Fund	II	2,201,028	15.4	1,687,269	10.8
Working Capital Fund	II	2,000,000	13.9	2,000,000	12.7
Capital Replacement Fund	II	4,000	-	50,000	0.3
Innovations Fund	II	356,000	2.5	610,000	3.9
Fixed Asset Fund	II	396,000	2.8	409,000	2.6
Transition Fund	II	435,000	3.0	-	-
Growth Fund	II	-	-	575,000	3.7
Self-sustaining Operation Fund	II/ IV.8	<u>605,163</u>	<u>4.2</u>	<u>577,043</u>	<u>3.7</u>
TOTAL NET ASSETS		<u>5,997,191</u>	<u>41.8</u>	<u>5,908,312</u>	<u>37.7</u>
Translation adjustment	II	<u>(689,457)</u>	<u>(4.8)</u>	<u>(578,689)</u>	<u>(3.7)</u>
TOTAL LIABILITIES AND NET ASSETS		<u>\$ 14,335,125</u>	<u>100.0</u>	<u>15,684,839</u>	<u>100.0</u>

(The accompanying notes are an integral part of the financial statements)

WORLD VEGETABLE CENTER
STATEMENT OF ACTIVITY
For the years ended December 31, 2019 and 2018
(Expressed in US Dollars)

ITEMS	NOTES	Jan. 1 ~ Dec. 31, 2019				Jan. 1 ~ Dec. 31, 2018	
		Unrestricted	Restricted	Total	%	Total	%
REVENUE							
Grant revenue	II/ IV.7	\$ 8,616,589	13,280,432	21,897,021	98.5	18,094,998	98.5
Other revenues and support	IV.7	<u>340,548</u>	<u>-</u>	<u>340,548</u>	<u>1.5</u>	<u>279,183</u>	<u>1.5</u>
Total Revenue		<u>8,957,137</u>	<u>13,280,432</u>	<u>22,237,569</u>	<u>100.0</u>	<u>18,374,181</u>	<u>100.0</u>
EXPENDITURES							
Operating expenses	II/ IV.7						
Personnel		7,345,767	3,219,596	10,565,363	47.5	10,318,847	56.2
Operating expenses		<u>2,081,437</u>	<u>10,060,836</u>	<u>12,142,273</u>	<u>54.6</u>	<u>8,671,978</u>	<u>47.2</u>
Total expenditures		<u>9,427,204</u>	<u>13,280,432</u>	<u>22,707,636</u>	<u>102.1</u>	<u>18,990,825</u>	<u>103.4</u>
Indirect cost recovery		<u>(1,244,924)</u>	<u>-</u>	<u>(1,244,924)</u>	<u>(5.6)</u>	<u>(1,049,502)</u>	<u>(5.7)</u>
Net expenditures		<u>8,182,280</u>	<u>13,280,432</u>	<u>21,462,712</u>	<u>96.5</u>	<u>17,941,323</u>	<u>97.7</u>
Net operating surplus (deficit)		<u>774,857</u>	<u>-</u>	<u>774,857</u>	<u>3.5</u>	<u>432,858</u>	<u>2.3</u>
Expenses extra-ordinary items							
Innovation Fund		254,649	-	254,649	1.1	151,214	0.8
Growth Fund		<u>412,760</u>	<u>-</u>	<u>412,760</u>	<u>1.9</u>	<u>571,871</u>	<u>3.1</u>
		<u>667,409</u>	<u>-</u>	<u>667,409</u>	<u>3.0</u>	<u>723,085</u>	<u>3.9</u>
Net surplus (deficit)		<u>\$ 107,448</u>	<u>-</u>	<u>107,448</u>	<u>0.5</u>	<u>(290,227)</u>	<u>(1.6)</u>

(The accompanying notes are an integral part of the financial statements.)

WORLD VEGETABLE CENTER
STATEMENT OF CHANGES IN NET ASSETS
For the years ended December 31, 2019 and 2018
(Expressed in US Dollars)

Description	Undesignated		Designated						Total
	Accumulated Fund	Working Capital Fund	Capital Replacement Fund	Innovations Fund	Fixed Asset Fund	Growth Fund	Self-sustaining Operation Fund	Transition Fund	
Balance as at January 1, 2018	\$2,019,592	2,000,000	39,647	297,462	465,000	800,000	503,229	-	6,124,930
Net change in Fixed Asset Fund	56,000	-	-	-	(56,000)	-	-	-	-
Allocated to Capital Replacement Fund	(10,559)	-	10,559	-	-	-	-	-	-
Allocated to Innovations Fund	(463,752)	-	-	463,752	-	-	-	-	-
Allocated to Growth Fund	(346,871)	-	-	-	-	346,871	-	-	-
Year's result	432,858	-	-	(151,214)	-	(571,871)	-	-	(290,227)
Income (use) of Capital Repl. Fund	-	-	(206)	-	-	-	-	-	(206)
Income (use) of Self-sustaining Operation	-	-	-	-	-	-	73,814	-	73,814
Balance as at December 31, 2018	1,687,268	2,000,000	50,000	610,000	409,000	575,000	577,043	-	5,908,311
Net change in Fixed Asset Fund	13,000	-	-	-	(13,000)	-	-	-	-
Allocated to Capital Replacement Fund	(688)	-	688	-	-	-	-	-	-
Allocated to Innovations Fund	(649)	-	-	649	-	-	-	-	-
Net change in Growth Fund	162,240	-	-	-	-	(162,240)	-	-	-
Allocated to Transition Fund	(435,000)	-	-	-	-	-	-	435,000	-
Year's result	774,857	-	-	(254,649)	-	(412,760)	-	-	107,448
Income (use) of Capital Repl. Fund	-	-	(46,688)	-	-	-	-	-	(46,688)
Income (use) of Self-sustaining Operation	-	-	-	-	-	-	28,120	-	28,120
Balance as at December 31, 2019	<u>\$ 2,201,028</u>	<u>2,000,000</u>	<u>4,000</u>	<u>356,000</u>	<u>396,000</u>	<u>-</u>	<u>605,163</u>	<u>435,000</u>	<u>5,997,191</u>

(The accompanying notes are an integral part of the financial statements.)

WORLD VEGETABLE CENTER
STATEMENT OF CASH FLOWS
For the years ended December 31, 2019 and 2018
(Expressed in US Dollars)

ITEMS	Jan. 1 ~ Dec. 31, 2019	Jan. 1 ~ Dec. 31, 2018
CASH FLOW FROM OPERATING ACTIVITIES		
Change in net assets	\$ 88,879	(216,618)
Adjustments to reconcile net income to net cash provided:		
Depreciation	121,810	111,677
Loss on disposal of assets	92	-
Change in operating assets and liabilities		
Decrease (increase) in accounts receivable	(448,989)	213,018
Decrease in prepaid expenses	276,578	54,755
Increase (decrease) in accounts payable	(1,718,207)	1,526,939
Increase in accruals	<u>478,414</u>	<u>219,327</u>
Net cash provided by (used in) operating activities	<u>(1,201,423)</u>	<u>1,909,098</u>
CASH FLOWS FROM INVESTING ACTIVITIES		
Acquisition of properties	<u>(108,917)</u>	<u>(55,758)</u>
Net cash used in investing activities	<u>(108,917)</u>	<u>(55,758)</u>
CASH FLOWS FROM FINANCING ACTIVITIES		
Decrease in reserves from employee separation account	<u>(88,032)</u>	<u>(97,978)</u>
Net cash used in financing activities	<u>(88,032)</u>	<u>(97,978)</u>
NET INCREASE (DECREASE) IN CASH AND CASH EQUIVALENTS	(1,398,372)	1,755,362
TRANSLATION ADJUSTMENT	(110,768)	(291,090)
CASH AND CASH EQUIVALENTS AT THE BEGINNING OF THE YEAR	<u>13,378,654</u>	<u>11,914,382</u>
CASH AND CASH EQUIVALENTS AT THE END OF THE YEAR	<u>\$ 11,869,514</u>	<u>13,378,654</u>

(The accompanying notes are an integral part of the financial statements.)

WORLD VEGETABLE CENTER
NOTES TO FINANCIAL STATEMENTS
December 31, 2019 and 2018
(Expressed in US Dollars unless otherwise specified)

I. Organization and Operations

The World Vegetable Center (WorldVeg, the Center) was founded in 1971 as an international, non-profit research and development organization to promote vegetable production and consumption in Asia, with its headquarters in Shanhua, Tainan, Taiwan, based on the agreed Charter of May 22, 1971. The Republic of China as host government has provided WorldVeg with all necessary legal capacities to carry out its activities as an international organization.

WorldVeg's tasks have been globalized and extended to Africa and Asia over the years. WorldVeg wants to achieve lasting positive impact on the nutritional status, income and well-being of the people – particularly in Africa and Asia – based on quality, long-term complementary partnerships in vegetable science and development. The Center strives to find an effective and appropriate balance between research to produces technologies, and development to ensure impact. Its work is based around three global flagships that address the entire vegetable value chain and one supporting, cross-cutting flagship.

- Safe and Sustainable Value Chains
- Healthy Diets
- Vegetable Diversity and Improvement
- Enabling Impact

The Center is governed by a Board of Directors, which consists of representatives of the original signatories to the Center's Charter and individuals elected by the Board who have experience in determining the policies and programs of the Center.

The financial requirements of the Center are funded mainly by contributions and grants or donations from member and non-member countries and organizations.

The Center may terminate its operations by a resolution adopted unanimously by all members of the Board of Directors. In case the Center terminates its operations, all buildings, equipment and other assets belonging to the Center (and/or affiliated sub-Centers) will be transferred, upon the concurrence and approval of the Board of Directors and host country, to organizations in the host country which were formed and are operated exclusively for scientific or educational purposes and which meet certain conditions prescribed in the Center's Charter.

Members of the Board of Directors with tenure in 2019:

- Dr. Junne-Jih Chen, ROC, Chair of the Board (joined in April 2011)
- Dr. Chi-chung Chen, ROC, (joined in February 2018)
- Dr. Myung Rae Cho, Korea (joined in August 2017)
- Mr. George Culaste, Philippines (joined in November 2017)
- Dr. Richard Ellis, UK (joined in April 2017)
- Dr. Julie Howard, USA (joined in April 2017)
- Dr. Masa Iwanaga, Japan (joined in April 2016)
- Dr. Marlis Lindecke, Germany (joined in June 2015)
- Mr. Gordon MacNeil, Canada (joined in April 2016)
- Dr. Bonnie McClafferty, USA (joined in December 2017)
- Mr. Shigehiro Nishiumi, Japan (joined in November 2017)
- Ms. Ndidi Nwuneli, Nigeria (term ended in December 2019)
- Ms. Cathy Reade, Australia (term ended in November 2019)
- Dr. Gordon Rogers, Australia (joined in November 2019)
- Dr. Lindiwe Sibanda, Zimbabwe (joined in November 2018)
- Dr. Anand Kumar Singh, India (joined in November 2019)
- Dr. Chongrak Wachrinrat, Thailand (joined in February 2016)
- Dr. Dennis Wang, ROC (joined in February 2018)
- Dr. Marco Wopereis, the Netherlands, DG, ex-officio member (joined in April 2016)

The number of staff working at the Center as of 31 December, 2019 and 2018:

	31 December, 2019			31 December, 2018		
	HQ	Regions	Total	HQ	Regions	Total
Internationally recruited staff	21	22	43	21	20	41
Nationally recruited staff	175	132	307	179	163	342
Total	196	154	350	200	183	383

II. Summary of significant accounting policies

WorldVeg’s accounting policies and practices conform to internationally accepted accounting principles for not-for-profit organizations and are comparable to those used by other international agricultural research centers.

The principal accounting policies set out below have been applied consistently to all periods presented in these financial statements.

1. Use of estimates

The preparation of financial statements on an accrual basis requires management to make estimates and judgments that affect the recorded amounts of assets and liabilities. The Center continually evaluates these estimates, including those related to valuation of inventories and useful life of the Center's properties. The Center makes its estimates based on historical experience and assumptions which it believes to be reasonable under the circumstances. Actual results may differ from these estimates under different assumptions and conditions.

2. Revenue recognition

Unrestricted grants are pledged on an annual basis and are recognized as revenue in the year for which the grant is pledged.

Restricted grants (grants received for specific purposes and thus conditionally committed) are recognized as revenue only to the extent that the donor conditions have been substantially met and to the extent that the funds are expended. Any unexpended restricted funds at the end of the year are carried forward to the next financial year as current liabilities.

Other income is recognized when earned.

3. Expenditures

Expenditures are accounted for on an accrual basis.

4. Translation adjustment of foreign currencies

The Center records its transactions in the currencies in which these are denominated. The accompanying financial statements reflect the actual amounts of transactions in US dollars, and the US dollar equivalents of transactions in other currencies based on the monthly exchange rates prevailing on the date of the transaction. Assets and liabilities denominated in foreign currencies are translated at year-end bank buying exchange rates.

5. Cash equivalents

Cash equivalents are short-term, highly liquid investments that are readily convertible to known amounts of cash and which present insignificant risks from changes in interest rates.

6. Accounts receivable

Accounts receivable are classified as:

- Donors: claims on donors for expenses advanced by WorldVeg for projects and unpaid donor pledges for unrestricted core activities.
- Regional centers: claims from regional centers for expenses advanced to the projects. This occurs where the regional center is hosted by another organization and the hosting organization is the legal owner of the bank account managed by the regional center.
- Employees: includes loans/advances to officers and advances to employees for official travel.
- Others: including claims on sub-contractors and advances to building contractors/suppliers.

7. Doubtful debts

On the basis of management's assessment, a 10% provision is generally recorded on the grants receivables and any other receivables that management deems necessary to provide for. In specific cases, different allowances are made for doubtful debts on the basis of their lack of recoverability.

8. Inventories

Inventories are stated at the lower of weighted-average cost or net realizable value.

9. Property and Equipment

Properties are stated at cost. Major additions, renewals and betterments are capitalized when the purchase valued exceeds 1,500 USD and the funding source is unrestricted.

Depreciation is applied using the straight-line method over the following service lives:

Furniture and laboratory equipment	4~15 years
Computer equipment	4 years

Gain (loss) on disposal of properties is presented as revenue (expenditure) in the financial statements.

10. Accounts payable

Accounts payable are classified as:

- Donors: unrestricted grants received from donors for which conditions are not yet met and amounts payable to donors in respect of any unspent funds received in advance for restricted grants.

- Regional centers: for expenses on the regional center's projects when pre-financed by the hosting organization or funds received in advance from other organizations for planned activities.
- Employees: includes payables to officers, expenses for official travel advanced by the employees and annual bonus & performance bonuses due to performance in the current year but to be paid out the next year.

11. Accounts payable-Others

This includes the payables to other organizations for work subcontracted to WorldVeg; committed funds for research activities at headquarters and payables to trainees and suppliers.

12. Pension plan-local employees at HQ

The Center has a retirement savings plan covering all local employees at headquarters. The Center deposits 1/12 to 2/12 of each employee's monthly salary, depending on the service period, to a savings fund. Employees qualified for retirement will be entitled to receive their contributions to the fund plus accumulated interest. Payments from the fund are governed by the provisions of the plan. The savings fund is not part of the balance sheet of WorldVeg.

The Center has set up in 1999 an early retirement plan for local employees at headquarters. Under this plan, the employee can opt for early retirement at 60 or 55 years of age, and receive a compensation between half to one month of salary per year, for the remaining years of service up to their regular retirement age.

13. Accumulated fund

This fund is the result from the accumulated surpluses of current and previous years and is used to finance the other net asset funds. The accumulated fund is used exclusively in support of the Center's overall operations.

14. Working capital fund

The working capital fund is used to finance the Center's working capital and ongoing operational requirements. Yearly transfers are made to this fund from the accumulated fund.

15. Capital replacement fund

This represents net assets designated by management for future acquisition or replacement of fixed assets.

16. Innovation fund

This represents net assets designated by management to explore innovative research and development ideas.

17. Growth fund

This fund is limited in time and has the purpose to attract a few highly qualified staff to facilitate fundraising and jump start new areas of research areas in line with the 2017-2020 operational plan. The growth fund has ended on 31 December 2019.

18. Transition fund

This fund is limited in time and is used to help cope the Center with a reduced level of unrestricted funding in 2020. This fund will end on 31 December 2020.

19. Fixed asset fund

This represents investment of the Center in property and equipment at net value.

20. Self-sustaining operation fund

The self-sustaining operation fund represents the operating fund for the Center's staff housing maintenance.

21. Current and non-current classification of assets and liabilities

Current assets include cash and other assets that are expected to be realized in cash or be consumed within one year from the date of financial statements. Current liabilities are liabilities expected to be liquidated within one year. All other assets and liabilities are classified as non-current items.

III. Financial risk management

Risk management is carried out under policies approved by the Board of Directors and executed by the Center's risk management committee at HQ and regional risk management teams. A risk management coordinator at HQ has been appointed to coordinate day to day risk management activities in the Center.

Financial risks are identified, evaluated and managed according to these policies.

Foreign exchange risk

The Center manages foreign risk by converting its foreign currency collections into spending currency on an ongoing basis to cater for its operational requirements. As a result, the Center does not hold large amounts in currency deposits other than in the recipient and spending currencies.

Liquidity risk

Prudent liquidity risk management includes maintaining sufficient cash due to the dynamic nature of the underlying business. Management monitors rolling forecasts of the Center's liquidity reserve based on expected cash flow.

Project risk

The Center avoids pre-financing as much as possible and maintains an overview to assess the financial risk involved. A sound financial management system, regular monitoring of project spending and capacity building in project management skills reduces the risk of budget overspending or the incurrence of ineligible expenses.

IV. Content of Significant Accounts

1. Cash and Cash Equivalents

	<u>Dec. 31, 2019</u>	<u>Dec. 31, 2018</u>
Cash on hand	\$ 72,924	27,662
Cash in bank	11,796,590	11,350,992
Time deposits	-	2,000,000
Total	<u>\$ 11,869,514</u>	<u>13,378,654</u>

2. Accounts Receivable – Donors

	<u>Dec. 31, 2019</u>	<u>Dec. 31, 2018</u>
Donors – Restricted projects	\$ 1,255,949	839,227
Donors – Unrestricted projects	58,277	50,000
Less: Provision for doubtful account	(167,672)	(394,000)
Net	<u>\$ 1,146,554</u>	<u>495,227</u>

Donors – Restricted projects are usually based on agreed-upon budgets and expenditures, and are subject to certain conditions and terms as set forth in agreements with the donors. Detailed information on restricted project funds is provided in Appendix I-a and I-b.

3. Property and Equipment

A. Unrestricted

This table lists the book value of fixed assets bought with unrestricted funds. Items purchased by WorldVeg prior to 2002 (when WorldVeg introduced accrual accounting) had book value of 0 as of 1 January 2002 and are not included in cost

figures and accumulated depreciation below. Buildings and other items held in custody by WorldVeg are excluded as well.

	Dec. 31, 2019	Dec. 31, 2018
Cost:		
Furniture, laboratory equipment and others	\$ 1,252,558	1,164,284
Computer equipment	365,025	348,461
	<u>1,617,583</u>	<u>1,512,745</u>
Less: Accumulated depreciation		
Furniture, laboratory equipment and others	(909,563)	(820,774)
Computer equipment	(312,158)	(283,124)
	<u>(1,221,721)</u>	<u>(1,103,898)</u>
Net	<u>\$ 395,862</u>	<u>408,847</u>

The movement of the properties is shown in Appendix II.

B. Others

The Center recorded the capital expenditures as deductions from funds, and accordingly such expenditures were not reflected as assets through December 31, 2001. The Center maintains a memo record of the purchase price of such properties (buildings in custody and fixed assets bought with non-core funds) still in use as of December 31, 2019 and 2018, as follows:

	Dec. 31, 2019	Dec. 31, 2018
Buildings	\$ 4,604,337	4,604,337
Greenhouses	127,379	127,379
Heavy-duty equipment	842,541	836,635
Centralized air conditioners	298,008	298,008
Vehicles	1,739,322	1,739,322
Furniture and laboratory equipment	5,215,296	5,183,292
Computers and others	1,794,280	1,723,155
Total	<u>\$ 14,621,163</u>	<u>14,512,128</u>

4. Accounts Payable – Donors

	Dec. 31, 2019	Dec. 31, 2018
Donors – Restricted projects	\$ 4,495,863	6,255,642
Donors – Unrestricted projects	516,092	524,240
Total	<u>\$ 5,011,955</u>	<u>6,779,882</u>

Donors – Restricted projects are normally based on agreed-upon budgets and expenditures, and are subject to certain conditions and terms as set forth in agreements with the donors. Detailed information on restricted project funds is provided in Appendix I-a and I-b.

5. Accruals

Accruals include accrued expenses of the Center, deferred payment for activities and other expenses. As of December 31, 2019 and 2018, details were as follows:

	Dec. 31, 2019	Dec. 31, 2018
Accrued expenses	\$ 1,210,512	772,098
Deferred payment for activities	200,000	160,000
Total	\$ 1,410,512	932,098

WorldVeg is appealing a legal ruling by the Taiwan Tainan District Court on a work-place related incident in Taiwan. A provision of US\$ 350,000 has been made. WorldVeg expects that this provision is sufficient in case the appeal upholds the original ruling.

6. Employee Benefit

A. *Employee Separation Account:*

As of December 31 2019 and 2018, details of employee separation benefit account were as follows:

	Dec. 31, 2019	Dec. 31, 2018
Leave pay	\$ 688,000	792,000
Repatriations	399,000	420,000
Incentives for early retirement pay	115,000	112,000
Separation Costs – ESEA	162,830	136,472
Separation Costs – ESA	51,458	46,341
Separation Costs – WCA–CH	7,699	5,206
Total	\$ 1,423,987	1,512,019

ESEA: The World Vegetable Center East and Southeast Asia.

ESA: The World Vegetable Center Eastern and Southern Africa.

WCA–CH: The World Vegetable Center West and Central Africa (Coastal and Humid Regions).

In 2019 and 2018, local employees and international staff are entitled to

compensation of unused annual leave of up to 25 days if their length of service on date of termination is 15 years and up to 44 days if their length of service on date of termination exceeds 15 years. Employees are compensated for accumulated unused annual leave upon resignation or termination.

The Center shall bear the transportation and relocation cost of the international staff and their immediate family upon termination of employment.

B. Pension Cost and Retirement:

The Center has made arrangement for its international staff to be provided with payroll administration services by the Association of International Agricultural Research Centers (AIARC) so that they may participate in suitable retirement and group insurance plans. The Center pays the entire cost of participation in these plans.

Likewise, the Center makes a contribution of between 1/12 and 2/12 of each employee's monthly salary into a Post Office Savings account designated to pay pension/retirement benefit for local staff.

In 2019 and 2018, the employee benefits included the contributions to:

	2019	2018
Retirement plans for international staff	\$ 534,151	542,067
Retirement savings fund for local employees	315,804	316,264
Total	\$ 849,955	858,331

Changes in the savings fund for the retirement plan for local employees for the years end December 31, 2019 and 2018 were summarized as follows:

	2019	2018
Balance, beginning of year	\$ 4,430,746	4,803,168
Translation adjustment	44,830	(118,729)
Contributions	315,804	316,264
Interest income	31,269	36,719
Payments	(663,551)	(606,676)
Balance, end of year	\$ 4,159,098	4,430,746

7. Unrestricted Funds

Information on unrestricted funds for the years ended December 31, 2019 and 2018 were summarized as follows:

(1) Contributions received from:

	<u>2019</u>	<u>2018</u>
ACIAR	\$ 303,042	322,855
Germany	-	-
Japan	8,277	9,196
Philippines	50,000	50,000
Republic of China	4,586,329	4,768,017
Republic of Korea	50,000	50,000
Thailand	145,301	135,661
UK/DFID	2,648,640	2,496,174
USAID	825,000	910,000
Total	<u>\$ 8,616,589</u>	<u>8,741,903</u>

(2) Other information pertaining to this fund were summarized as follows:

Other revenues and support:	<u>2019</u>	<u>2018</u>
Interest earned from funds other than the contributions from the USA	\$ 77,611	60,175
Miscellaneous	262,937	219,008
Total	<u>\$ 340,548</u>	<u>279,183</u>

(3) Operating expenditures:

	<u>2019</u>	<u>2018</u>
Personnel:		
International	\$ 3,446,636	3,612,626
Local	3,899,131	3,871,524
Total	<u>\$ 7,345,767</u>	<u>7,484,150</u>

	<u>2019</u>	<u>2018</u>
Operating costs:		
Supplies and services	\$ 1,674,702	1,644,844
Travel	241,163	273,696
Training, workshops and other meetings	105,693	98,369
Depreciation	121,810	115,509
Construction & Rehabilitation	704	21,162
Total	<u>\$ 2,144,072</u>	<u>2,153,580</u>

All expenditures incurred for units of the director general, board of directors, administration and financial services were summarized as indirect costs. The supplementary schedule of computation of indirect costs rate is shown in Appendix III.

8. Self-sustaining Operation Fund

Changes in the fund for the years ended December 31, 2019 and 2018 were summarized as follows:

	<u>2019</u>	<u>2018</u>
Fund balance, beginning of year	\$ 577,043	503,229
Staff housing rentals	56,686	62,912
Staff housing maintenance expenses	(92,681)	(76,576)
Staff vehicle maintenance fund	114,244	121,580
Staff vehicle maintenance expenses	(50,129)	(34,102)
Net change in fund	<u>28,120</u>	<u>73,814</u>
Fund balance, end of year	<u>\$ 605,163</u>	<u>577,043</u>

9. Prior Year Comparatives

None.

World Vegetable Center
Restricted project expenses (sorted in decreasing order of expenses of the year)
For the year ended December 31, 2019
(Expressed in US Dollar unless otherwise specified)

Project No.	Donor	Lead Partner (1)	Project Name	Start date	End Date	Total Budget	Expenses until December 2018	Expenses in 2019	Total Expenses	Variance (Budget - Expenses)	Exp as % of Budget
10000340	ROC/COA		Research Infrastructure Modernization Project	Jan. 18	Dec 21	21,397,309	420,543	3,215,610	3,636,153	17,761,156	17%
10000246	USAID (2)		Deploying Improved Vegetable Technologies to Overcome Malnutrition and Poverty in Mali	May 14	Dec 19	9,183,846	7,648,780	1,547,916	9,196,697	- 12,851	100%
10000264	USAID (2)		Deploying Improved Vegetable Technologies to Overcome Malnutrition and Poverty in Mali (Module 2)	Apr. 15	Dec 19	4,711,320	3,644,392	1,066,949	4,711,341	- 21	100%
10000336	DFID		Unleashing the economic power of vegetables in Africa through quality seed of improved varieties	May 18	Sep 20	2,636,107	442,929	1,061,164	1,504,093	1,132,014	57%
10000370	ROC/COA		Enhance production of nutritious vegetables with abiotic and biotic stress resistance under high temperature and/or flooding conditions of Taiwan	Jan. 19	Dec 19	387,222	0	390,385	390,385	- 3,163	101%
10000291	BMZ/GIZ		Resist Detect Protect Wide spectrum insect resistance and sound management strategies to sustainably manage insect pests on Solanaceous vegetables in South Asia	Jan. 17	Mar 20	1,339,258	605,166	361,154	966,320	372,939	72%
10000327	BMZ/GIZ		Amazing Amaranth: Hardy and nutritious amaranth lines and food practices to improve nutrition in East Africa	Feb. 18	Jan 21	1,372,326	86,088	323,854	409,942	962,384	30%
10000339	USAID (2)		Tajikistan Nutrition-Sensitive Vegetable Technologies - Phase 2	May 18	Sep 20	850,000	101,215	317,884	419,099	430,901	49%
10000273	ACIAR		Establishing the International Mungbean Improvement Network	Jan. 16	Jun 20	1,724,030	754,221	290,763	1,044,984	679,046	61%
10000333	WB	ARIAS Society	Technical Advisory Assistance to Assam Agribusiness & Rural Transformation Project (APART) for the Vegetable Value Chains	June 18	Mar 23	1,400,197	29,457	260,992	290,449	1,109,748	21%
10000300	APSA		APSA-WorldVeg Vegetable Breeding Consortium	Jan. 17	Dec 23	529,161	141,911	212,881	354,792	174,369	67%
10000307	GoO (3)		Onion Value Chain Improvements in Odisha	May 16	Nov 18	389,793	167,640	204,638	372,279	17,514	96%
10000379	Korea/RDA		Establishment and operation of a World Vegetable Center-Korea Office	Jan. 19	Jan 24	233,169	0	176,037	176,037	57,131	75%

Project No.	Donor	Lead Partner (1)	Project Name	Start date	End Date	Total Budget	Expenses until December 2018	Expenses in 2019	Total Expenses	Variance (Budget - Expenses)	Exp as % of Budget
10000292	PSSC		Broadening the narrow genetic base of commercial bitter melon cultivars by exploiting the genetic diversity of WorldVeg's breeding lines	Apr. 17	Mar 20	530,000	274,883	171,895	446,778	83,222	84%
10000310	GCDT		Development and preparation of eggplant pre-bred materials for adaptation to climate change	July 17	Jun 19	280,000	118,347	168,464	286,811	- 6,811	102%
10000317	WB	IITA	Facilitating Value Addition and Processing in the Context of the Cassava, Maize, Banana, Vegetable, and Livestock Value Chains (PRODEMA) Activities to support fruits and vegetables value chain	Aug. 17	Dec 19	292,339	107,728	163,654	271,382	20,957	93%
10000328	GATES		Nudging children toward healthier food choices: An experiment combining school and home gardens	Jan. 18	Jan 20	270,000	83,699	162,057	245,757	24,243	91%
10000182	USAID	IITA	Cereal-based Systems of West Africa: Vegetables and associated best management practices in cereal-based crop production systems to improve income and diets of rural and urban households in Northern Ghana & Southern Mali	May 12	Sep 20	1,350,043	1,149,044	160,345	1,309,389	40,654	97%
10000311	ACIAR		CIM/2016/174 Improved mungbean harvesting and seed production systems for Bangladesh, Myanmar and Pakistan	July 17	Jun 21	798,651	167,461	151,360	318,821	479,830	40%
10000356	BBSRC	NIAB	Improving production of Solanum Aethiopicum in Africa	July 18	Jun 21	391,356	15,738	144,688	160,426	230,930	41%
10000352	USAID	Fintrac	Improving the nutritional status and income of smallholder farmer households through scaling improved, nutrient-dense traditional African vegetables (TAVs) in the Zanzibar Islands	Aug. 18	Sep 20	320,828	2,988	136,169	139,157	181,672	43%
10000366	ROC/MOFA		MOFA 2019	Jan. 19	Apr 20	600,000	0	129,321	129,321	470,679	22%
10000347	MAFF		Selection of tropically-adapted lines of vegetables to improve productivity of the vegetable value chain in Myanmar and Vietnam (Phase 2 Year 1)	July 18	Jun 19	159,169	45,828	113,342	159,169	- 0	100%
10000363	BMZ/GIZ		BMZ Genebank Funding 2019	Jan. 19	Mar 20	257,567	0	112,015	112,015	145,553	43%
10000325	GoJ		Implementation support on High Value Agriculture (HVA) through demonstration, research studies, technical support and capacity building on various vegetables and horticulture crops under JOHAR project	Mar. 18	Feb 23	1,387,001	123,257	106,554	229,811	1,157,191	17%
	Miscellaneous	Miscellaneous	Projects with expenses 2019<100,000 USD			17,296,415	10,967,824	2,130,340	13,098,164	4,198,251	76%
Totals						70,087,107.94	27,099,138.19	13,280,431.50	40,379,569.69	29,707,538.25	58%

Notes

- (1) If a lead partner is defined, WordVeg executes the project activities under a signed agreement with the lead partner. Typically the lead partner has signed the main agreement with the donor.
- (2) For USAID projects the budget is set to the amount obligated by USAID.
- (3) Expenses in 2018 recorded early 2019

World Vegetable Center
Changes in restricted funds and restricted project expenses
For the year ended December 31, 2019
(Expressed in US Dollar unless otherwise specified)

Donor	Lead Partner (1)	No.	Project Name	Start date	End Date	Receivables from donor on 1/1/2019	Advances from donor on 1/1/2019	Adjustment	Funds received in 2019	Expenses in 2019	Receivables from donor to date	Accounts Payable to date	Total Budget	Expenses until December 2018	Expenses (2) in 2019	Total Expenses	Variance (Budget - Expenses)
ACIAR		1	Establishing the International Mungbean Improvement Network	Jan. 16	Jun 20		459,396		333,162	290,763		501,795	1,724,030	754,221	290,763	1,044,984	679,046
ACIAR		2	CIM/2016/174 Improved mungbean harvesting and seed production systems for Bangladesh, Myanmar and Pakistan	Jul 17	Jun 21		124,631		180,605	151,360		153,875	798,651	167,461	151,360	318,821	479,830
ACIAR	Bioversity International	3	GP/2018/101 Analysing Schools as Platforms to Improve Diets Livelihoods and the Environment in East Africa	July 18	Feb 19		11,589		4,904	16,493			24,471	7,978	16,493	24,471	0
ACIAR						0	595,615	0	518,672	458,616	0	655,670	2,547,152	929,659	458,616	1,388,276	1,158,877
Agrinos		1	Research on tomatoes, chili, eggplant and spinach under various test conditions with different agronomic treatments	May 19	Apr 20				9,583	8,607		976	19,946	0	8,607	8,607	11,339
Agrinos						0	0	0	9,583	8,607	0	976	19,946	0	8,607	8,607	11,339
AIM	GAIN	1	Amsterdam Initiative against Malnutrition	Dec. 14	Dec 19				14,028	13,380	11,631		57,936	46,181	10,983	57,164	771
AIM						14,028	0	0	13,380	10,983	11,631	0	57,936	46,181	10,983	57,164	771
APSA		1	APSA-WorldVeg Vegetable Breeding Consortium	Jan. 17	Dec 23		161,089		226,161	212,881		174,369	529,161	141,911	212,881	354,792	174,369
APSA						0	161,089	0	226,161	212,881	0	174,369	529,161	141,911	212,881	354,792	174,369
AUC		1	Development and Development of Iron Dense Mungbean Genotypes for Nutrition Security in the Drought Prone Areas of East Africa (Mung4-Fe)	Jan. 19	Nov 21				52,723	16,867		35,856	259,992	0	16,867	16,867	243,125
AUC						0	0	0	52,723	16,867	0	35,856	259,992	0	16,867	16,867	243,125
Bary Callebaut Sourcing AG (BC)		1	Diversify and improve household incomes and tackle malnutrition in cocoa communities through vegetable home garden in Ghana	Sept. 18	Feb 20		39,961	20	0	74,894	34,912		91,512	8,826	74,894	83,719	7,793
Bary Callebaut Sourcing AG (BC)		2	Diversify and improve household incomes and tackle malnutrition in cocoa communities through vegetable home gardening in Cameroon	Oct. 18	Mar 20				80,330	86,059	5,729		115,435	0	86,059	86,059	29,376
Bary Callebaut Sourcing AG (BC)						0	39,961	20	80,330	160,952	40,641	0	206,947	8,826	160,952	169,778	37,169
BBSRC	NIAB	1	Improving production of Solanum Aethiopicum in Africa	July 18	Jun 21		11,571		100,720	144,688	55,540		391,356	15,738	144,688	160,426	230,930
BBSRC	University of Newcastle upon Tyne	2	CONNECTED - Community Network for African vector borne plant viruses - Low cost surveillance for Sub-Saharan Africa	Nov. 18	Oct 19				19,010	18,743		267	19,414	0	18,743	18,743	671
BBSRC	University of Newcastle upon Tyne	3	CONNECTED - Community Network for African vector borne plant viruses	Sept. 19	Feb 20				23,229	7,495		15,733	28,036	0	7,495	7,495	20,541
BBSRC						11,571	0	0	142,959	170,927	55,540	16,000	438,806	15,738	170,927	186,665	252,141
Belgian Gov	TRIAS	1	Implementing market-driven vegetable agricultural service providers (ASPs) linking smallholder farmers to services and markets	Jan. 17	Dec 21		7,441		66,178	52,745		5,992	284,884	111,021	52,745	163,766	121,118
Belgian Gov						7,441	0	0	66,178	52,745	0	5,992	284,884	111,021	52,745	163,766	121,118

Donor	Lead Partner (1)	No.	Project Name	Start date	End Date	Receivables from donor on 1/1/2019	Advances from donor on 1/1/2019	Adjustment	Funds received in 2019	Expenses in 2019	Receivables from donor to date	Accounts Payable to date	Total Budget	Expenses until December 2018	Expenses (2) in 2019	Total Expenses	Variance (Budget - Expenses)
BIO 520		1	A trial program to evaluate the efficacy of a natural growth enhancement product for six Vegetable Crops	Mar. 18	May 19		22,579	99	12,750	35,429			62,500	27,171	35,429	62,599	-99
BIO 520						0	22,579	99	12,750	35,429	0	0	62,500	27,171	35,429	62,599	-99
BMZ/GIZ		1	Beans with Benefits: Integrating improved mungbean as a catch crop into the dryland systems of South and Central Asia for increased smallholder farmer income and more sustainable production systems	Apr. 15	Mar 18		8,964	14,032	-22,996	0			1,406,528	1,325,845	0	1,325,845	80,683
BMZ/GIZ	Humboldt University	2	Variety Development and Seed Systems - World Vegetable Center component under BMBF/BMZ Globe Diversifying Food Systems: Horticultural Innovations and Learning for Improved Nutrition and Livelihood in East Africa (HORTINLEA) Phase 2	Julv 16	Dec 18	13,268		2,108	8,404	-2,756			182,862	189,325	-2,756	186,569	-3,707
BMZ/GIZ	Kassel Universiteit	3	African-German partnership to enhance resource use efficiency in urban and peri-urban agriculture for improved food security in West African cities (Urban-Food-Plus)	July 16	Sep 18		19,981	-1,429	-18,552	0			127,445	107,753	0	107,753	19,692
BMZ/GIZ		4	Resist Detect Protect Wide spectrum insect resistance and sound management strategies to sustainably manage insect pests on Solanaceous vegetables in South Asia	Jan. 17	Mar 20		312,103		222,403	361,154		173,352	1,339,258	605,166	361,154	966,320	372,939
BMZ/GIZ		5	Action Against Anthracnose: Resistant C. annuum chilli pepper introgression lines and cultivars for Bangladesh	Jan. 17	Mar 19		24,310	4,929	4,459	33,697			104,533	83,740	33,697	117,437	-12,905
BMZ/GIZ		6	Technical partnership to support tomato value chain development under the green innovation center for the agriculture and food sector, India	May 17	Feb 19	2,895		9,327	3,037	9,469			174,049	160,901	9,469	170,370	3,679
BMZ/GIZ		7	Small grants for construction of a Zero Energy Cooling Chamber in Mali	Oct. 17	Dec 17	405		-8	0	-414			1,926	2,332	-414	1,918	8
BMZ/GIZ		8	Determining household dietary diversity score (HDDS) and individual dietary diversity score (DDS) of rice producing households in Mbeya and Dodoma regions, Tanzania	Jan. 18	Mar 18	1,293		1,293	0	0			12,497	12,463	0	12,463	34
BMZ/GIZ		9	Amazing Amaranth: Hardy and nutritious amaranth lines and food practices to improve nutrition in East Africa	Feb. 18	Jan 21		141,164		222,403	323,854		39,712	1,372,326	86,088	323,854	409,942	962,384
BMZ/GIZ		10	GrAfrica: Introduce grafted plantlets to improve yield and income for smallholder tomato producers in sub-Saharan Africa	Jan. 18	Dec 19		28,186		51,791	70,350		9,626	123,144	33,366	70,350	103,716	19,427
BMZ/GIZ	Multiflower Ltd.	11	Enhance the use of biological pest control for growing ornamental plants in Arusha	Aug. 18	Dec 19		22,325		16,549	69,097	30,223		93,391	20,097	69,097	89,195	4,196
BMZ/GIZ		12	BMZ Genebank Funding 2018	Jan. 18	Sep 19	203,404		12,087	263,287	71,969			266,254	203,404	71,969	275,374	-9,120
BMZ/GIZ		13	BMZ Genebank Funding 2019	Jan. 19	Mar 20				0	112,015	112,015		257,567	0	112,015	112,015	145,553
BMZ/GIZ		14	Technical partnership to support the Green Innovation Centre for the Agriculture and Food Sector, India (Tomato Value Chain)	Mar. 19	Sep 20				77,926	73,100		4,826	218,110	0	73,100	73,100	145,010
BMZ/GIZ		15	Teach and text: Combining on-farm demonstration and phone messaging to scale vegetable IPM in Cambodia	Jan. 19	Dec 20				57,310	72,611	15,301		127,444	0	72,611	72,611	54,833
BMZ/GIZ						221,266	557,034	42,338	886,019	1,194,147	157,538	227,516	5,807,335	2,830,481	1,194,147	4,024,629	1,782,706
CInI		1	Improved Livelihoods through Crop Diversification into Vegetables in Jharkhand and Odisha under Central India Initiative	May 16	Mar 20		10,201		15,251	34,427	8,975		160,624	115,044	34,427	149,470	11,154
CInI						0	10,201	0	15,251	34,427	8,975	0	160,624	115,044	34,427	149,470	11,154
CRS		1	Implementation of the Youth Vegetable Business Hub (YVBH) Project	Aug. 17	Nov 18		1,690	-1,690	0	0			101,356	100,221	0	100,221	1,135

Donor	Lead Partner (1)	No.	Project Name	Start date	End Date	Receivables from donor on 1/1/2019	Advances from donor on 1/1/2019	Adjustment	Funds received in 2019	Expenses in 2019	Receivables from donor to date	Accounts Payable to date	Total Budget	Expenses until December 2018	Expenses (2) in 2019	Total Expenses	Variance (Budget - Expenses)
CRS						0	1,690	-1,690	0	0	0	0	101,356	100,221	0	100,221	1,135
Defra		1	26-015: Traditional African vegetables strengthen food and nutrition security in Madagascar	May 19	May 22				80,367	44,884		35,483	114,369	0	44,884	44,884	69,486
Defra						0	0	0	80,367	44,884	0	35,483	114,369	0	44,884	44,884	69,486
DFID	Wageningen Economic Research	1	IMMANA Project ENRICH	Feb. 17	May 19	2,929		210	3,355	636			21,740	20,632	636	21,268	472
DFID		2	Unleashing the economic power of vegetables in Africa through quality seed of improved varieties	May 18	Sep 20		887,371		1,305,807	1,061,164		1,132,014	2,636,107	442,929	1,061,164	1,504,093	1,132,014
DFID						2,929	887,371	210	1,309,162	1,061,800	0	1,132,014	2,657,847	463,561	1,061,800	1,525,360	1,132,487
Dutch MOFA	IFDC	1	2SCALE vegetable pilots in Nigeria	May 18	Dec 19		29,406		0	26,433		2,973	58,512	29,107	26,433	55,540	2,973
Dutch MOFA	ICCO	2	G4AW-Angkor SALAD	May 18	Apr 21		9,665		48,727	60,503	2,111		336,774	27,246	60,503	87,749	249,026
Dutch MOFA	IFDC	3	2SCALE vegetable pilots in Cote d'Ivoire	July 18	Mar 19	4,277		-119	4,422	25			45,297	44,881	25	44,906	390
Dutch MOFA	IFDC	4	2SCALE vegetable pilots in Mali	May 18	Mar 19		4,650	-224	-63	4,363			17,807	13,047	4,363	17,409	398
Dutch MOFA						4,277	43,721	-343	53,086	91,325	2,111	2,973	458,391	114,280	91,325	205,604	252,786
European Union		1	Linking genetic resources, genomes and phenotypes of Solanaceous crops	Mar. 16	Feb 21		34,134		113,351	98,214		49,271	472,859	188,442	98,214	286,656	186,204
European Union						0	34,134	0	113,351	98,214	0	49,271	472,859	188,442	98,214	286,656	186,204
FAO		1	A Comparative Study of Seed Legislation and Policies and their Effect on the Private and Public Seed Sector in Countries of the Asia and Pacific Region	May 18	Mar 19		32,809	0	0	32,809			72,677	39,868	32,809	72,677	0
FAO						0	32,809	0	0	32,809	0	0	72,677	39,868	32,809	72,677	0
GATES		1	Nudging children toward healthier food choices: An experiment combining school and home gardens	Jan. 18	Jan 20	28,310			131,500	162,057	58,868		270,000	83,699	162,057	245,757	24,243
GATES	ILRI	2	Urban Food Markets in Africa - Incentivizing food safety (Pull-Push Project) (CGIAR Research Program on Agriculture for Nutrition and Health)	Mar. 19	Sep 22				20,523	26,698	6,175		136,823	0	26,698	26,698	110,125
GATES						28,310	0	0	152,023	188,756	65,043	0	406,823	83,699	188,756	272,455	134,368
GBIF		1	BID-AF2017-0310-SMA: Capacity building towards digitization of national vegetable databases to address regional and national priorities in food and nutritional security in Eastern Africa	Feb. 17	Jan 19		5,140	-4,717	0	423			22,823	14,424	423	14,847	7,976
GBIF						0	5,140	-4,717	0	423	0	0	22,823	14,424	423	14,847	7,976
GCDT		1	Development and preparation of eggplant pre-bred materials for adaptation to climate change	July 17	Jun 19		44,021		97,222	168,464	27,221		280,000	118,347	168,464	286,811	-6,811
GCDT	USDA	2	Carrot Germplasm Development and Farmer Training for Production in Stressful Environment in Taiwan	Oct. 18	Jul 20				49,500	20,433		29,067	72,500	0	20,433	20,433	52,067
GCDT		3	Expert Consultation Meeting for Global Cucurbitaceae Crop Conservation Strategy	Nov. 19	Jan 20				20,000	30,056	10,056		40,461	0	30,056	30,056	10,405

Donor	Lead Partner (1)	No.	Project Name	Start date	End Date	Receivables from donor on 1/1/2019	Advances from donor on 1/1/2019	Adjustment	Funds received in 2019	Expenses in 2019	Receivables from donor to date	Accounts Payable to date	Total Budget	Expenses until December 2018	Expenses (2) in 2019	Total Expenses	Variance (Budget - Expenses)
GCDT						0	44,021	0	166,722	218,953	37,277	29,067	392,961	118,347	218,953	337,300	55,661
GoJ		1	Implementation support on High Value Agriculture (HVA) through demonstration, research studies, technical support and capacity building on various vegetables and horticulture crops under JOHAR project	Mar. 18	Feb 23	123,257			0	106,554	229,811		1,387,001	123,257	106,554	229,811	1,157,191
GoJ						123,257	0	0	0	106,554	229,811	0	1,387,001	123,257	106,554	229,811	1,157,191
GoO		1	Improve Mungbean and Urdbean Productivity in Odisha State	Dec. 15	Mar 18	6,612		9,317	-2,705	0			352,497	351,181	0	351,181	1,316
GoO (3)		2	Onion Value Chain Improvements in Odisha	May 16	Nov 18		123,118	12,284	69,237	204,638			389,793	167,640	204,638	372,279	17,514
GoO		3	Onion Value Chain Improvements in Odisha State - Phase II	Nov. 19	Oct 20				0	-79		79	149,801		-79	-79	149,880
GoO						6,612	123,118	21,601	66,532	204,559	0	79	892,091	518,821	204,559	723,380	168,711
Government of Karnataka (GoK)		1	Improve Mungbean (Green Gram) and Vegetable Cowpea Productivity in Karnataka State under the Rashtriva Krishi Vikas Yojana (RKVY) Scheme	Apr. 18	Mar 20				40,351	36,587		3,764	84,414	0	36,587	36,587	47,827
Government of Karnataka (GoK)						0	0	0	40,351	36,587	0	3,764	84,414	0	36,587	36,587	47,827
IFAD	ICRAF	1	Food Trees project in Kitui and Tharaka Nithi, Kenya	May 18	Dec 18		357	20	-377	0			35,000	31,123	0	31,123	3,877
IFAD						0	357	20	-377	0	0	0	35,000	31,123	0	31,123	3,877
JIRCAS		1	Evaluation of tomato and amaranth genetic resources	June 19	Mar 20				25,000	5,493		19,507	25,000	0	5,493	5,493	19,507
JIRCAS						0	0	0	25,000	5,493	0	19,507	25,000	0	5,493	5,493	19,507
Kagome		1	Screening for development of begomovirus-resistant processing tomato hybrid	Oct. 10	Dec 20		3,337		4,863	72		8,128	152,833	143,350	72	143,423	9,410
Kagome						0	3,337	0	4,863	72	0	8,128	152,833	143,350	72	143,423	9,410
Korea/RDA		1	Development of Breeding Techniques and Selection of Disease Resistant Germplasm in Vegetables	Jan. 17	Dec 19	1,830		1	35,000	33,172			105,000	71,830	33,172	105,001	-1
Korea/RDA		2	Developing screening methods and germplasm to improve tolerance to abiotic stress in pepper (Capsicum spp.)	Jan. 18	Jan 20		83,820		0	52,869		30,951	120,972	37,152	52,869	90,021	30,951
Korea/RDA		3	Establishment and operation of a World Vegetable Center-Korea Office	Jan. 19	Jan 24				238,178	176,037		62,141	233,169	0	176,037	176,037	57,131
Korea/RDA		4	Development of vegetable variety in Asia (pepper and tomato) with AFACI country members	Nov. 19	Oct 22				116,500	5,808		110,692	345,000	0	5,808	5,808	339,192
Korea/RDA						1,830	83,820	1	389,678	267,886	0	203,783	804,141	108,982	267,886	376,867	427,273
MAFF		1	Selection of tropically-adapted lines of vegetables to improve productivity of the vegetable value chain in Myanmar and Vietnam (Phase 2 Year 1)	July 18	Jun 19		113,341	0	0	113,342			159,169	45,828	113,342	159,169	0
MAFF		2	Selection of tropically-adapted lines of vegetables to improve productivity of the vegetable value chain in Myanmar and Vietnam (Phase 2 Year 2)	July 19	Jun 20				143,263	20,329		122,934	143,263	0	20,329	20,329	122,934
MAFF						0	113,341	0	143,263	133,670	0	122,934	302,432	45,828	133,670	179,498	122,934

Donor	Lead Partner (1)	No.	Project Name	Start date	End Date	Receivables from donor on 1/1/2019	Advances from donor on 1/1/2019	Adjustment	Funds received in 2019	Expenses in 2019	Receivables from donor to date	Accounts Payable to date	Total Budget	Expenses until December 2018	Expenses (2) in 2019	Total Expenses	Variance (Budget - Expenses)
Participants		1	2019 Tomato Disease Symposium	June 18	Jun 20	3,310			38,585	8,511		26,763	76,000	3,310	8,511	11,821	64,179
Participants		2	African Vegetable Breeding Consortium (AVBC)	July 18	Dec 19		21,370		24,921	30,006		16,285	38,886	595	30,006	30,601	8,285
Participants						3,310	21,370	0	63,506	38,517	0	43,048	114,886	3,905	38,517	42,422	72,464
PSSC		1	Worldveg's Global Cucurbit breeding program on bitter gourd Momordica charantia	Apr. 16	Mar 19		21,129	-2	0	21,127			204,975	183,846	21,127	204,973	2
PSSC		2	Broadening the narrow genetic base of commercial bitter gourd cultivars by exploiting the genetic diversity of WorldVeg's breeding lines	Apr. 17	Mar 20		255,117		0	171,895		83,222	530,000	274,883	171,895	446,778	83,222
PSSC		3	Genetically diverse and superior bitter gourd lines and F1 hybrids of World Vegetable Center for sustainable bitter gourd breeding gains and enhance profitability of smallholder farmers	Apr. 19	May 22				441,933	95,991		345,942	540,000	0	95,991	95,991	444,009
PSSC						0	276,246	-2	441,933	289,012	0	429,164	1,274,975	458,729	289,012	747,741	527,234
ROC/COA		1	Tomato Variety Trials in Thailand and Market Survey	Aug. 17	Apr 18		24,076	-300	0	23,776			31,389	7,666	23,776	31,442	-53
ROC/COA		2	Development of screening systems to evaluate the resistance of tomato germplasm to major diseases	Jan. 18	Dec 18		16,585	22	16,563	0			60,323	55,932	0	55,932	4,391
ROC/COA		3	Strengthening cooperation between AVRDC and COA on vegetable research and development	Jan. 18	Dec 18		101,887	-2,792	104,680	0			348,932	350,933	0	350,933	-2,001
ROC/COA		4	NSP tomato trials for Hualien DARES in 2018	Jan. 18	Apr 19		16,984	-514	8,658	25,128			29,944	3,615	25,128	28,744	1,201
ROC/COA		5	Research Infrastructure Modernization Project	Jan. 18	Dec 21		1,224,508		1,714,508	3,215,610	276,594		21,397,309	420,543	3,215,610	3,636,153	17,761,156
ROC/COA		6	Evaluation of F1 vegetables in Thailand and India 2018	Aug. 18	Apr 19		22,621	102	0	22,723			24,425	1,821	22,723	24,544	-118
ROC/COA		7	Enhance production of nutritious vegetables with abiotic and biotic stress resistance under high temperature and/or flooding conditions of Taiwan	Jan. 19	Dec 19				271,872	390,385	118,513		387,222	0	390,385	390,385	-3,163
ROC/COA		8	Development of Improved Tomato Lines for Foliar and Soil-borne Disease Resistance	Jan. 19	Dec 19				59,898	85,798	25,899		86,732	0	85,798	85,798	935
ROC/COA		9	NSP tomato trials for Hualien DARES in Thailand and India in 2019	Jan. 19	Apr 20				21,502	2,900		18,602	30,977	0	2,900	2,900	28,077
ROC/COA		10	2019 TARI field trials in Thailand	Jan. 19	Apr 20				13,918	2,414		11,504	23,233	0	2,414	2,414	20,819
ROC/COA		11	Facilitating Development of Taiwan's Agro-industry in NSP Countries	Oct. 19	Mar 20				29,467	135		29,332	65,353	0	135	135	65,218
ROC/COA						118,472	1,288,189	-3,482	2,241,065	3,768,869	421,007	59,438	22,485,840	840,510	3,768,869	4,609,379	17,876,462
ROC/MOFA		1	MOFA extensions		Dec 20		632,312		0	87,629	28	544,711	2,166,558.28	1,135,478.18	87,629	1,223,107	943,451
ROC/MOFA		2	MOFA 2019	Jan. 19	Apr 20				600,000	129,321		470,679	600,000	0	129,321	129,321	470,679

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ROC/MOFA						0	632,312	0	600,000	216,950	28	1,015,390	2,766,558	1,135,478	216,950	1,352,428	1,414,130
ROC/MOST		1	A holistic approach towards the design of new tomato varieties and management practices to improve yield and quality in the face of climate change	Jul 16	Mar 20		8,546		47,567	33,952		22,161	114,789	59,136	33,952	93,089	21,700
ROC/MOST		2	Whole-genome resequencing of tomato to identify genes associated with durable resistance to bacterial wilt (<i>Ralstonia solanacearum</i>)	Aug. 18	Jul 19	2,697		-173	17,904	15,034			36,001	20,783	15,034	35,817	184
ROC/MOST		3	Fine mapping of the late blight resistance genes derived from <i>Solanum pimpinellifolium</i> accession VI030462	Aug. 18	Jul 21		13,332		36,420	47,625		2,127	110,549	5,159	47,625	52,784	57,765
ROC/MOST		4	Cool peppers for climate-resilient <i>Capsicum</i> production in Taiwan	Aug. 18	Jul 21		10,575		16,764	19,417		7,922	99,549	6,280	19,417	25,697	73,852
ROC/MOST		5	Conduct mungbean seed import from, and export to the Vavilov Institute, Russia, as well as phenotype evaluation of the Vavilov accessions in Taiwan	Oct. 18	Dec 20				10,761	14,618	3,857		32,486	0	14,618	14,618	17,867
ROC/MOST		6	Disease Resistant Tomato and Pepper for Taiwan and the Philippines (DRTPP)	Oct. 19	Sep 22				2,632	587		2,045	39,409	0	587	587	38,822
ROC/MOST						2,697	32,454	-173	132,049	131,233	3,857	34,256	432,782	91,358	131,233	222,592	210,191
Sing-Flow Seed Co., Ltd.,		1	Development of eggplant hybrid rootstocks for managing bacterial wilt for grafted tomato	July 19	Jun 23				25,526	4,277		21,249	70,198	0	4,277	4,277	65,921
Sing-Flow Seed Co., Ltd.,						0	0	0	25,526	4,277	0	21,249	70,198	0	4,277	4,277	65,921
SRC	SLU	1	Identifying, exploring and preserving diversity of beneficial arthropods for sustainable tomato production	Jan. 19	Dec 21				49,079	16,627		32,452	148,233	0	16,627	16,627	131,607
SRC						0	0	0	49,079	16,627	0	32,452	148,233	0	16,627	16,627	131,607
UNICEF		1	Improving diet diversity among children aged 0-23 months in Mokolo health district in the Far-north region of Cameroon	Aug. 19	Jul 20				84,088	53,278		30,810	163,881	0	53,278	53,278	110,603
UNICEF						0	0	0	84,088	53,278	0	30,810	163,881	0	53,278	53,278	110,603
USAID	IITA	1	Africa RISING: Enhancing vegetable value chains in rice-based and sole crop production systems to improve farm household income and consumer access to safer vegetables in Morogoro, Tanzania	Apr. 12	Sep 20				90,705	90,750	45		705,637	527,252	90,750	618,002	87,635
USAID	IITA	2	Cereal-based Systems of West Africa: Vegetables and associated best management practices in cereal-based crop production systems to improve income and diets of rural and urban households in Northern Ghana & Southern Mali	May 12	Sep 20		46,055		128,163	160,345		13,873	1,350,043	1,149,044	160,345	1,309,389	40,654
USAID (2)		3	Deploying Improved Vegetable Technologies to Overcome Malnutrition and Poverty in Mali	May 14	Dec 19		451,220	12,851	1,083,846	1,547,916			9,183,846	7,648,780	1,547,916	9,196,697	-12,851
USAID (2)		4	Deploying Vegetable Seed Kits to Tackle Malnutrition In Cambodia, Kenya, Liberia, Tanzania and Uganda	Sept. 14	Sep 18	191,350		191,350	0	0			4,621,230	4,812,580	0	4,812,580	-191,350
USAID (2)		5	Deploying Improved Vegetable Technologies to Overcome Malnutrition and Poverty in Mali (Module 2)	Apr. 15	Dec 19		720,608	21	346,320	1,066,949			4,711,320	3,644,392	1,066,949	4,711,341	-21
USAID	UC Davis-Rutgers	6	Improving Nutrition and Income of Smallholder Farmers in Eastern Africa using a Market Driven Approach to Enhance Value Chain Production of African Indigenous Vegetables	June 15	Jul 19	40,000		0	65,370	25,370			155,370	130,000	25,370	155,370	0
USAID	IFPRI	7	Support the validation of Pro-WEAI for the "Gender, Agriculture, and Assets Project - Phase 2" (GAAP-2)	May 16	Sep 19		15,646		31,146	46,792			120,000	73,208	46,792	120,000	0
USAID	University/Pennsylvania State University	8	Women in Agriculture Network (WAgN) Cambodia: Gender and Ecologically Sensitive Agriculture	Oct. 15	Jan 20		2,471		4,848	11,113	3,794		38,783	19,437	11,113	30,550	8,233

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USAID (2)		9	Tajikistan Nutrition-Sensitive Vegetable Technologies - Phase 2	May 18	Sep 20		3,785		406,898	317,884		92,799	850,000	101,215	317,884	419,099	430,901
USAID	Fintrac	10	Improving the nutritional status and income of smallholder farmer households through scaling improved, nutrient-dense traditional African vegetables (TAVs) in the Zanzibar Islands	Aug. 18	Sep 20	2,988			119,042	136,169	20,115		320,828	2,988	136,169	139,157	181,672
USAID	IFDC	11	Development of Fertilizer Deep Placement for Vegetable in Mali	July 18	Jul 19		5,233		0	13,366	8,134		16,151	2,843	13,366	16,209	-58
USAID						234,338	1,245,017	204,221	2,276,339	3,416,654	32,088	106,672	22,073,208	18,111,739	3,416,654	21,528,393	544,815
WB	IITA	1	Facilitating Value Addition and Processing in the Context of the Cassava, Maize, Banana, Vegetable, and Livestock Value Chains (PRODEMA) Activities to support fruits and vegetables value chain	Aug. 17	Dec 19	29,432			144,039	163,654	49,047		292,339	107,728	163,654	271,382	20,957
WB	ARIAS Society	2	Technical Advisory Assistance to Assam Agribusiness & Rural Transformation Project (APART) for the Vegetable Value Chains	June 18	Mar 23	29,457			149,093	260,992	141,356		1,400,197	29,457	260,992	290,449	1,109,748
WB						58,889	0	0	293,132	424,646	190,403	0	1,692,536	137,184	424,646	561,831	1,130,705
Workshop Participants		1	International Training Course on Screening for Insect and Disease Resistance	Sept. 19	Nov 19			18,810	21,270	40,080			40,710	0	40,080	40,080	630
Workshop Participants						0	0	18,810	21,270	40,080	0	0	40,710	0	40,080	40,080	630
Others		1	8th International Diamond back moth (DBM) Conference	Dec. 18	Nov 19		717	1,522	29,484	31,722			65,000	0	31,722	31,722	33,278
Others						0	717	1,522	29,484	31,722	0	0	65,000	0	31,722	31,722	33,278
Totals						839,227	6,255,642	278,436	10,825,494	13,280,432	1,255,949	4,495,863	70,087,108	27,099,138	13,280,432	40,379,570	29,707,538

Notes

- (1) If a lead partner is defined, WordVeg executes the project activities under a signed agreement with the lead partner. Typically the lead partner has signed the main agreement with the donor.
- (2) For USAID projects the budget is set to the amount obligated by USAID.
- (3) Expenses in 2018 recorded early 2019

**World Vegetable Center
Properties
For the year ended December 31, 2019
(Expressed in US Dollars)**

Appendix II

	2019			2018
	Furniture and laboratory equipment	Computer equipment	Total	Total
Cost				
Beginning of the year	\$ 1,164,284	348,461	1,512,745	1,456,987
Additions	88,274	20,643	108,917	55,758
Disposals	-	(4,079)	(4,079)	-
End of the year	\$ 1,252,558	365,025	1,617,583	1,512,745
Accumulated depreciation				
Beginning of the year	\$ 820,774	283,124	1,103,898	992,221
Additions	88,789	33,021	121,810	111,677
Disposals	-	(3,987)	(3,987)	-
End of the year	\$ 909,563	312,158	1,221,721	1,103,898
Net book value	\$ 342,995	52,867	395,862	408,847

**World Vegetable Center
Computation of Indirect Cost Rate
For the year ended December, 31 2019**

	<u>2019</u>	<u>2018</u>
Direct costs: Research Expenses (including services)	\$17,957,530	14,691,403
Indirect Costs (Institutional Costs)	3,505,182	3,250,053
Total Costs	<u>\$21,462,712</u>	<u>17,941,456</u>
Percentage Indirect/direct	<u>19.5%</u>	<u>22.1%</u>
Direct/Total expenditures	83.7%	81.9%
Indirect/Total expenditures	16.3%	18.1%