

Development of a new strategic plan

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Regional Centers and HQ of World Vegetable Center



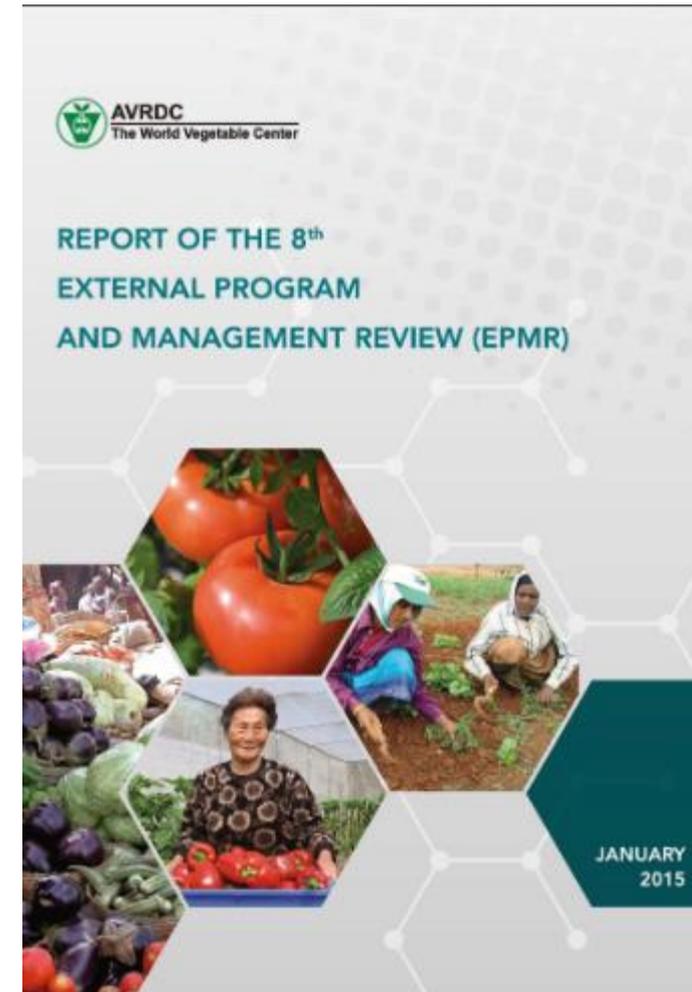


The world's largest* collection of vegetable germplasm:
World Vegetable Center Genebank



Current strategic documents

- Strategic plan 2011-2015
- Strategic plan 2011-2025
- Medium Term Plan: competency areas that ‘supply different types of technology or other outputs’.
- EPMR: “AVRDC should orient its work around achieving development impacts rather than the production of outputs and the implementation of activities by different thematic areas”

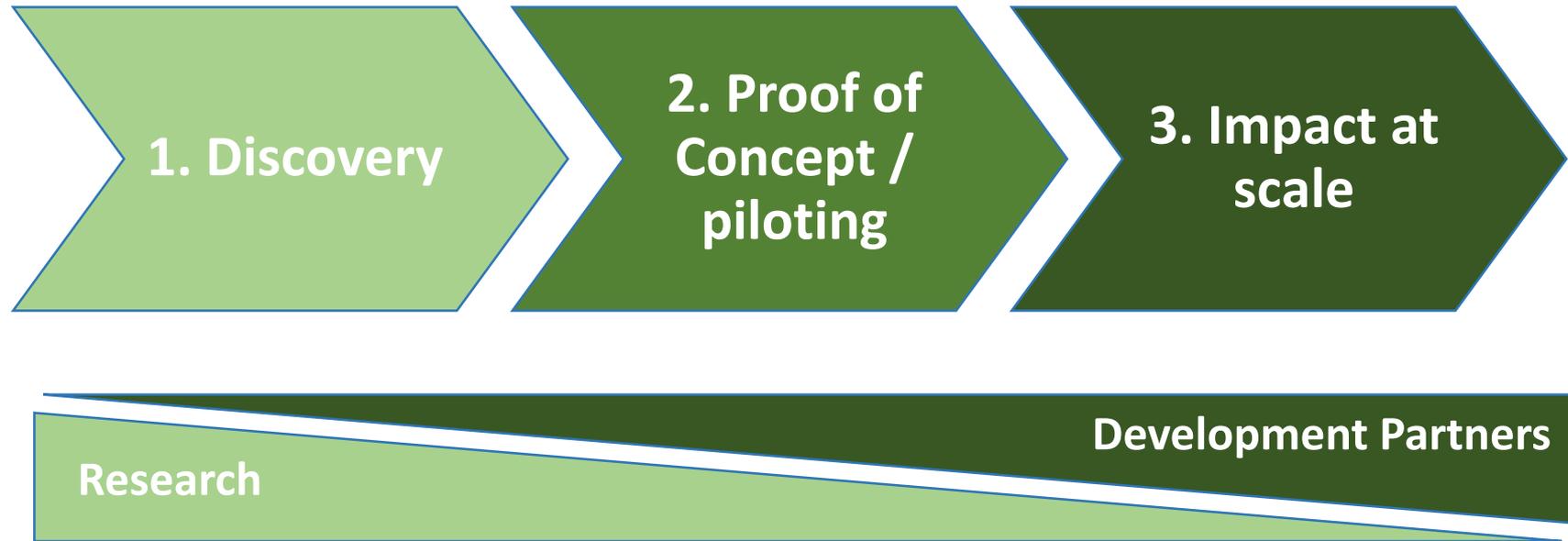


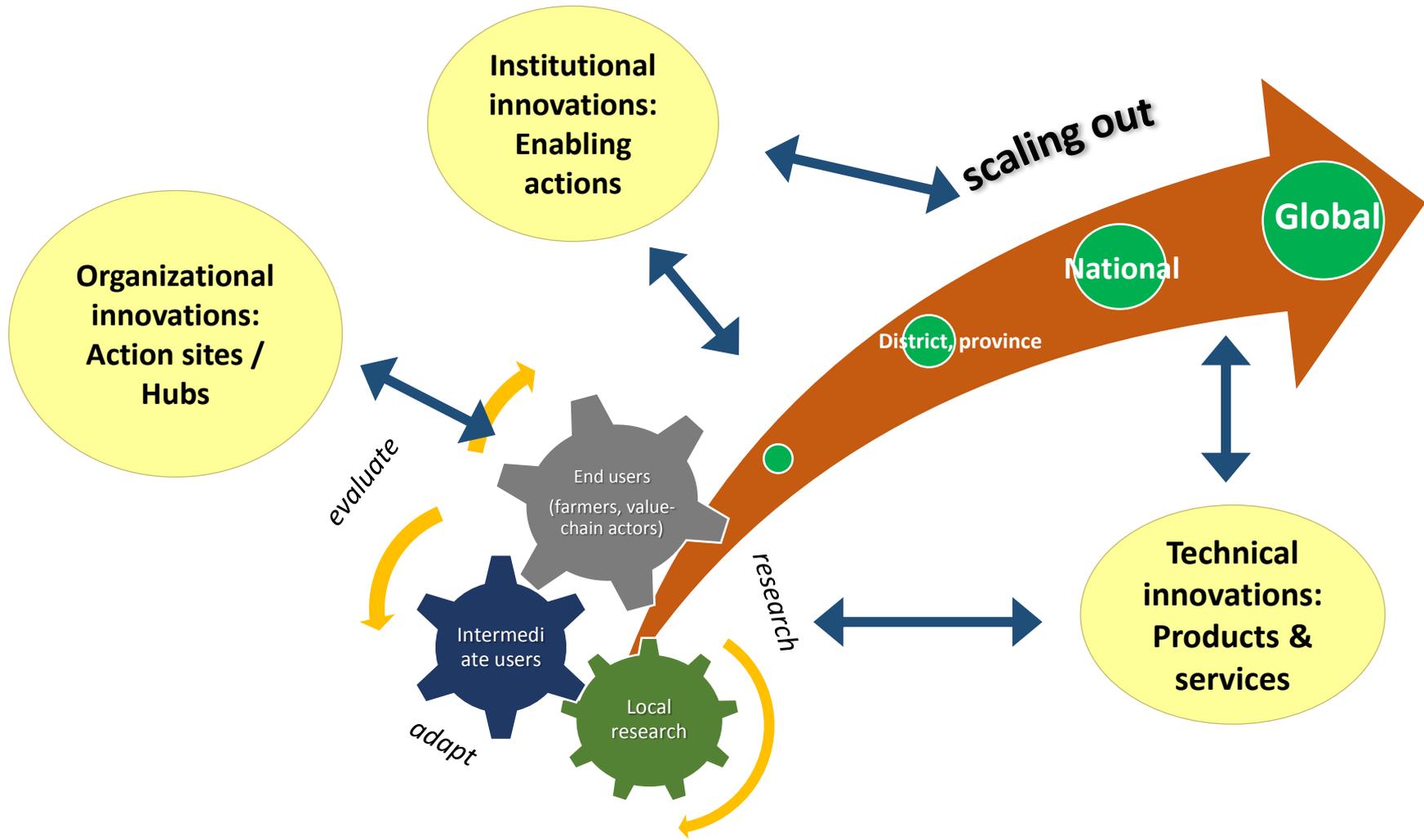
Towards outcome-oriented programming

Current approach

- Projects drive the research agenda and look at part of the innovation process (D, P or S)
- Themes are disciplinary in nature and 'constituted' from (parts of) projects
- Theme leaders have no clear role, other than reporting
- There is no clear link between discovery research, piloting research and scaling activities

From research to impact at scale





Need for prioritization, strong partnerships along the R to D continuum and site-specific impact pathways

Organizational innovations

- Agriculture / nutrition / health communities to promote home gardens & WASH in rural areas
- Aggregation of production, processing and marketing capacity & produce for specific markets (pack-house model)
- Link farmers as out-growers to lead vegetable processing and marketing firms
- Support establishment of vertically integrated corporations near cities (e.g. tomato or tomato paste production)
- Establish direct linkages to markets for high quality, nutritious vegetables – opportunity for urban growers (e.g. wholesale and retail, supermarkets, hospitals, or health-conscious consumers)



Image source: www.adb.org



Institutional innovations

- Promote healthy diets through publicity, education, training
- Stimulate private sector involvement, starting with seed sector
- Promote supportive policies to facilitate investment in drip-irrigation and protected cultivation systems and processing and storage facilities
- Introduce low-cost but reliable regulatory and traceability frameworks to guarantee safety (e.g. country-specific GAP certifications)



Towards outcome-oriented programming

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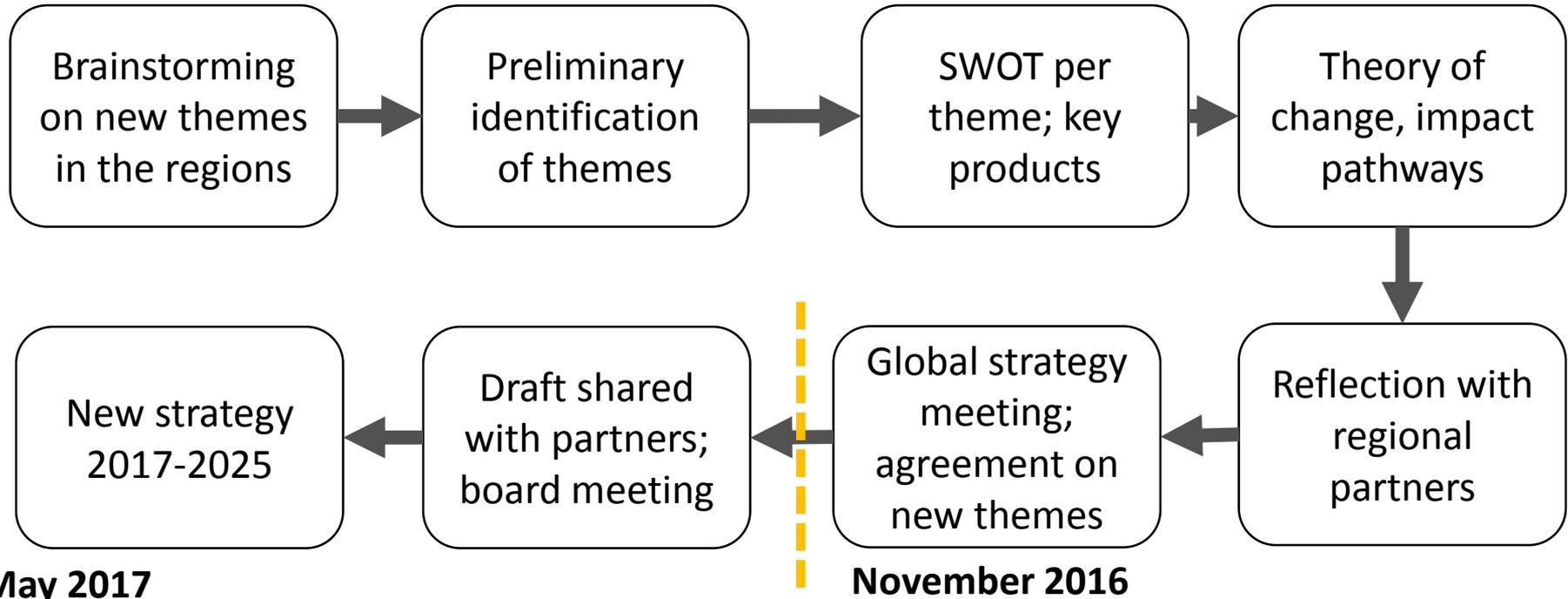
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Proposed future approach

- Innovation clusters (D <-> P <-> S) drive the research agenda
- Projects provide the fuel for the research agenda
- Themes are outcome-driven and the sum of innovation clusters
- Theme leaders steer the innovation process
- Clear links between discovery research, piloting activities and scaling activities

Road map towards new strategic plan

July 2016



May 2017

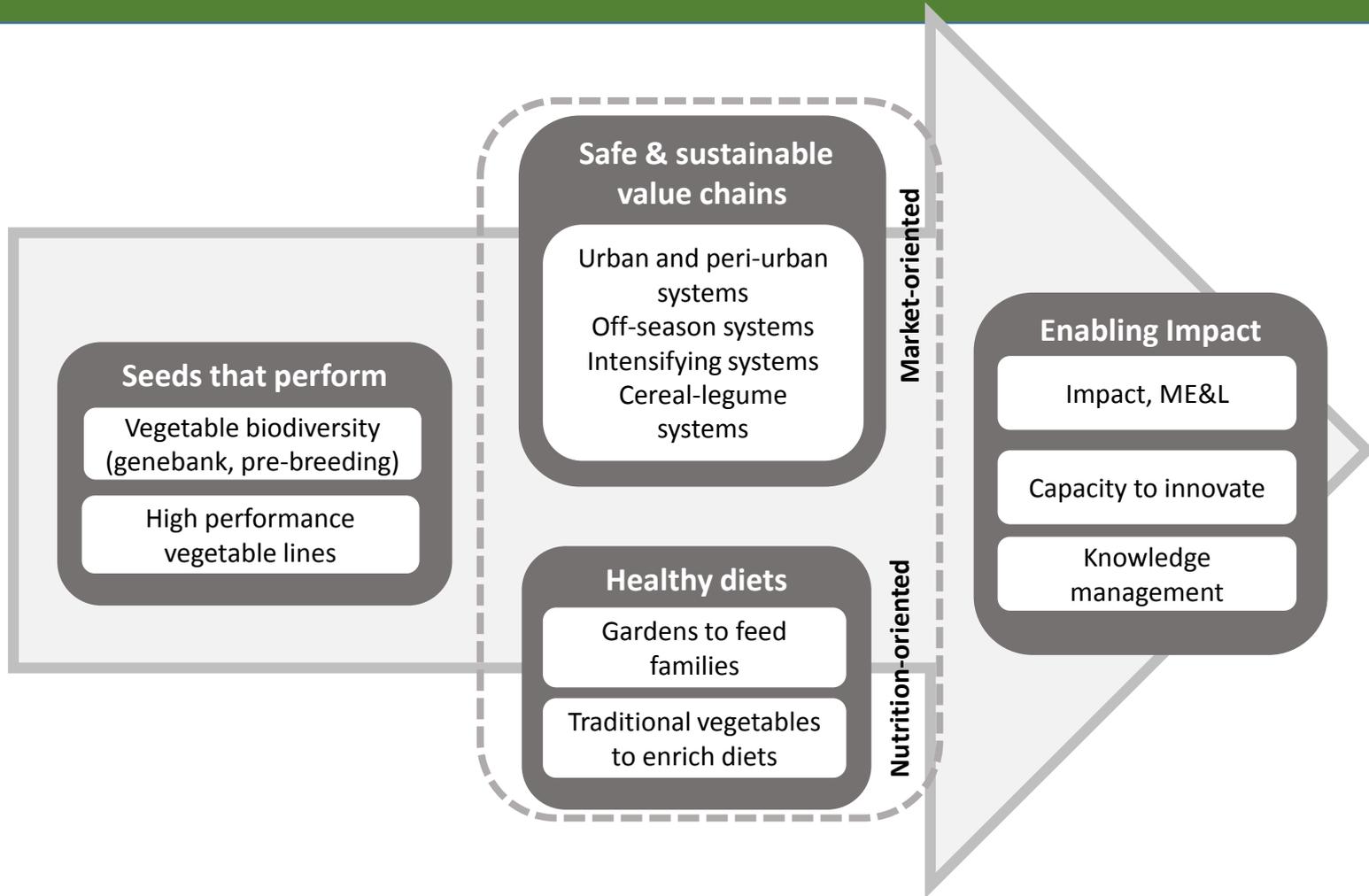
November 2016

Eastern and Southern Africa



Eastern and Southern Africa	West and Central Africa	South Asia	USAID FtF
Improved cultivars and seed systems Seeds that perform	Improved varieties and seed systems	Seed and seedlings Climate-resilient legumes	Building resilience to climate change and market shocks
Intensified systems, urban markets, youth Safe and sustainable value chains	Sustainable production systems	Quality production, urban markets, food safety	Challenges and opportunities of urbanization
Low-input smallholder systems	Enhanced post-harvest management and urban market linkages, youth	Post-harvest, food safety	Supporting youth employment
Healthy diets Healthy diets	Nutritious and healthy diets	Nutritional value	Food safety, health and environment

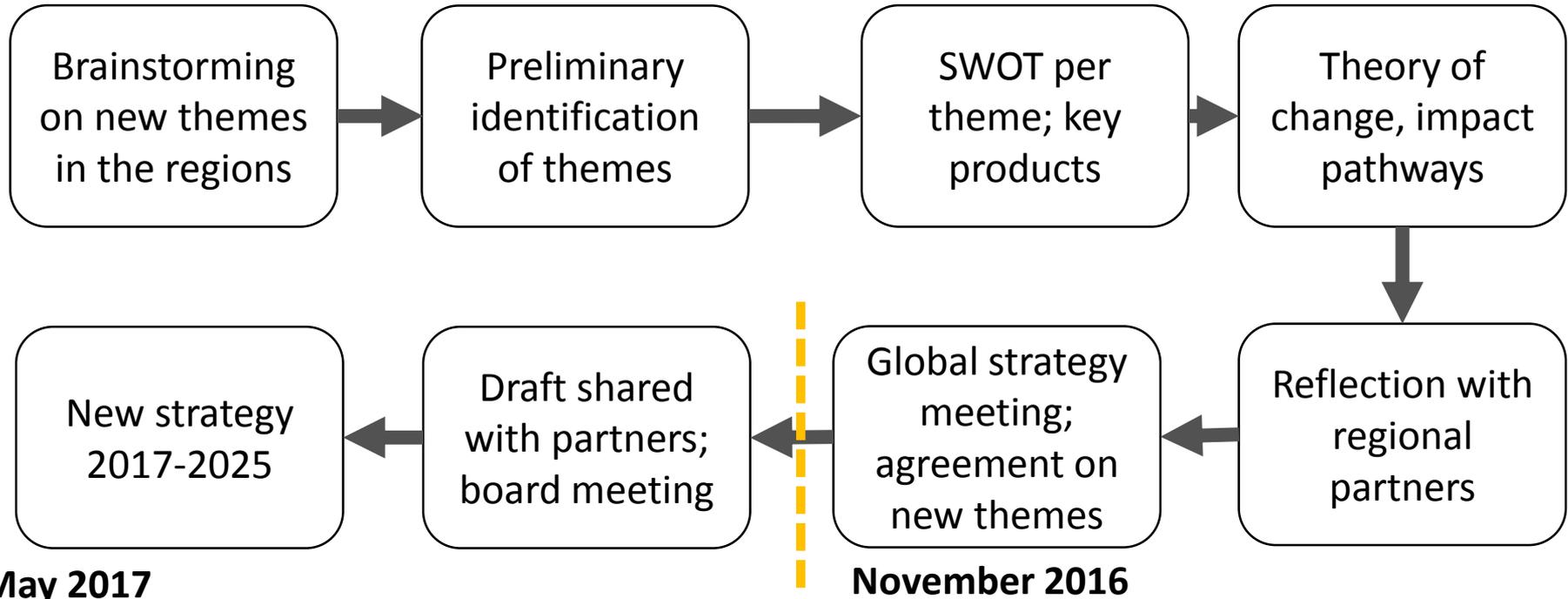
The World Vegetable Center



Stage	Deliverables for 2017	Goals by 2020
Discovery	<ul style="list-style-type: none"> ● Virus species and whitefly biotypes causing MYMD in Bangladesh, India and Myanmar identified by WorldVeg-HQ ● Salt and heat stress tolerance transferred into bruchid and MYMD resistant lines by WorldVeg-HQ&SA. ● Mungbean lines screened for better sprouting and root rot resistance by WorldVeg-HQ&SA 	<ul style="list-style-type: none"> ● Mechanisms and genetics conditioning increased iron uptake in selected mungbean lines understood and applied in breeding.
Piloting	<ul style="list-style-type: none"> ● Lines developed combining resistances to bruchids, yellow mosaic disease and powdery mildew tested in India, Pakistan, Bangladesh, Myanmar, Uzbekistan and Australia, with national partners 	<ul style="list-style-type: none"> ● Lines developed combining resistances to bruchids, yellow mosaic disease and powdery mildew, and tolerances to salt and heat stress in India, Pakistan and Bangladesh, with national partners
Scaling	<ul style="list-style-type: none"> ● 3-5 MYMD resistant mungbean lines provided to NARS partners in India, Bangladesh, and Myanmar 	<ul style="list-style-type: none"> ● Lines combining resistances to bruchids, MYMD and powdery mildew adopted by 30-40% of mungbean farmers in India, Bangladesh, Pakistan and Myanmar, along with improved agronomic practices to benefit at least 80,000 farm households (Links to Flagship 'Safe and sustainable value chains').
Support from the Enabling Impact Program	<ul style="list-style-type: none"> ● Online seed catalog of high performance vegetable lines ● Scaling strategy drafted for mungbean in Bangladesh, Myanmar and Pakistan 	<ul style="list-style-type: none"> ● Online seed catalog is highly effective to promote and distribute mungbean breeding lines ● Adoption studied of WorldVeg mungbean lines by seed companies and farmers South Asia

Road map towards new strategic plan

July 2016



May 2017

November 2016

Revised vision and mission statements (drafts)

Vision

A healthier and more equitable world through greater diversity in agriculture and food systems

Mission

Conduct and share innovative vegetable research to enhance the nutrition and livelihoods of people worldwide

Work is guided by five principles ('the 5Cs')

We **connect** *people and institutions* along research to impact pathways aiming for transformational innovation and change;

We **concentrate** *our efforts* in innovation clusters and work in regions where we believe we will have the greatest potential for impact;

We gain **critical mass** in research areas by working as an 'open science center', establishing strategic partnerships and networks with national and international research institutions;

We nurture **creativity** through scholarship programs, visiting scientist programs and allocating funding for blue-sky research;

We **communicate** on our activities and achievements on a regular basis and in a transparent and easy-to-access manner that facilitates uptake, feedback and stewardship.

Thank you