



# Post-harvest Food Loss road map





# Post-harvest food Loss road map

“charts the pathways towards improving lives and livelihood of a large number of smallholder farmers sustainably through a [TBD%] post-harvest loss reduction of key crops with minimal environmental impact”



# Today

- Goals for the day & roles
- Initial thinking to date
- Roadmap development
- Next steps



# Approach

- Neutral convener
- May not achieve full agreement
- Lots of ground to cover – may need to move on
- Avoid ‘rabbit holes’ or ‘agendas’



# Purpose

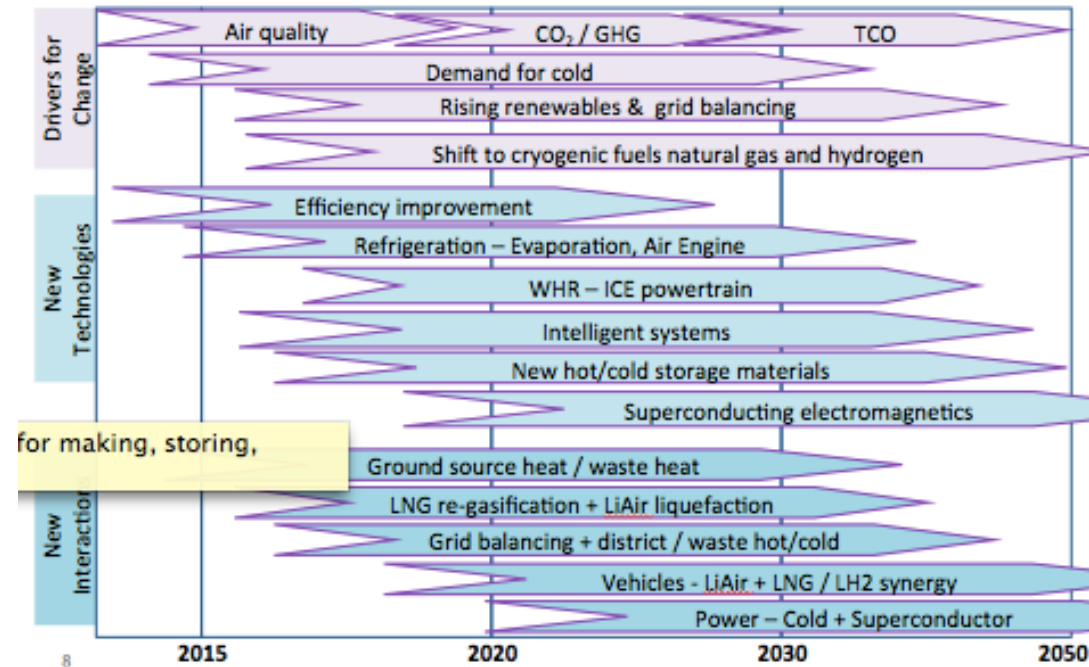
**The purpose of a roadmap is to:**

- Help reach a **consensus** across key stakeholders about a set of needs and the technologies, policies and support required to satisfy them
- Provide a mechanism to help forecast technology developments
- Provide a framework to help plan, coordinate and deliver developments *and*
- *Identify any regulatory barriers*



# What can a good roadmap achieve?

- Identifies areas of existing strengths, weaknesses and potential for future development
- Identify the activities that should be a focus for R&D investment
- Provides clear impact recommendations to government and funding bodies –
  - what needs to be done
  - what is the impact if achieved

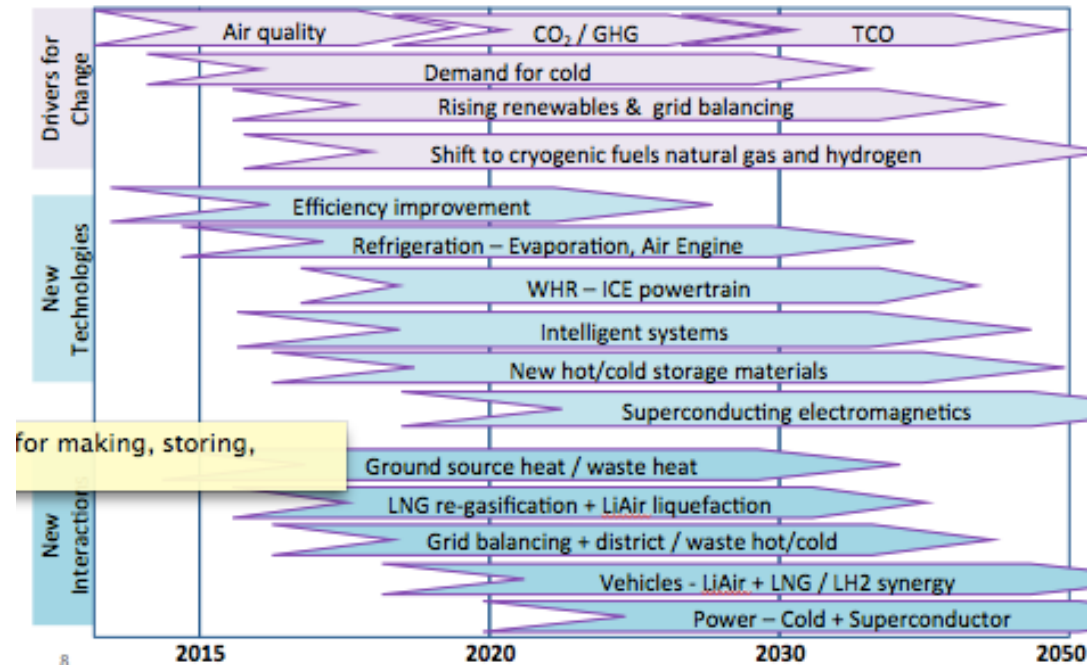


- ⇒ **A consistent strategy across research community, industry and government**
  - ⇒ Increased levels of investment, innovation
  - ⇒ Increased commitment to policy change
  - ⇒ Increased success



Starts with a visionary, but consensus, high level roadmap

- **High level roadmaps** are simplistic (often one page), but useful in targeting senior non-technical audiences
- **Detail roadmaps** can run to many pages and cascade down to research agendas for each sub-system of new technologies
  - These sit beneath the high level TRM and can be used to guide academic and industrial research; and government or NGO funding



**Our focus today is on getting the high level roadmap right**



# The key ingredients of a Roadmap

**WHY:** Targets and drivers

**WHEN:** Timeline in which those arise

**HOW:** Solutions that fit the need

**WHAT:** Real things that need to happen to enable the How

Starting with drivers & their timing

- Avoids pet ideas & dogma
- **Brings stakeholders together** to identify **steps that need to be promoted**, such as technology breakthrough or policy support

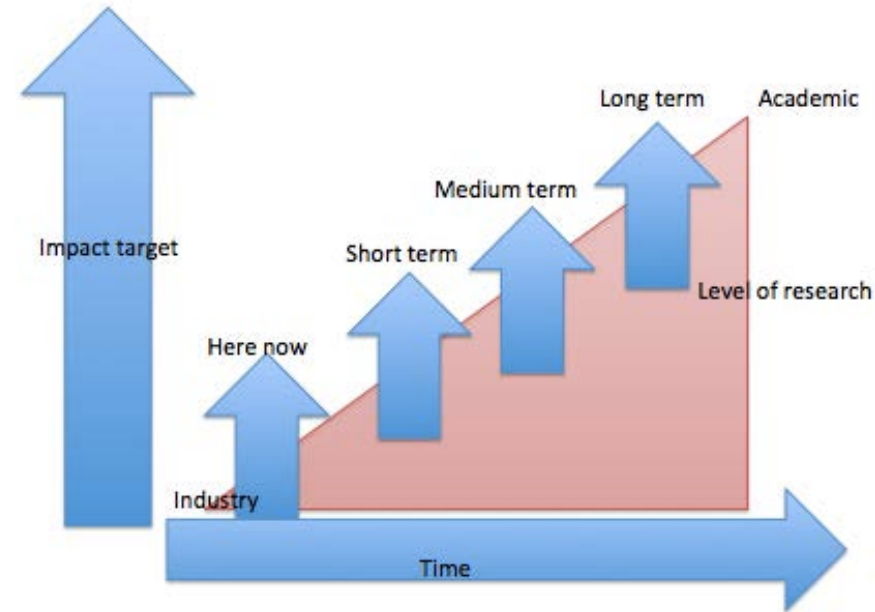




# Time horizon: Here now to long-term planning

## Timelines

Here now	In production
Short term	3-5 from production
Medium term	5-10 years from production
Long term	+10 years from production



## It is not just about innovation

- In the near term, improvement of conventional or incumbent systems can have a significant impact.
- A technology shift will be required to achieve the medium target reductions
- A clear common research agency to deliver the product roadmap



# Aim to achieve four goals today

- **Confirm** ‘direction of travel’
- **Identify** high level roadmap themes
- **Develop** roadmap content
- **Confirm** who does what next

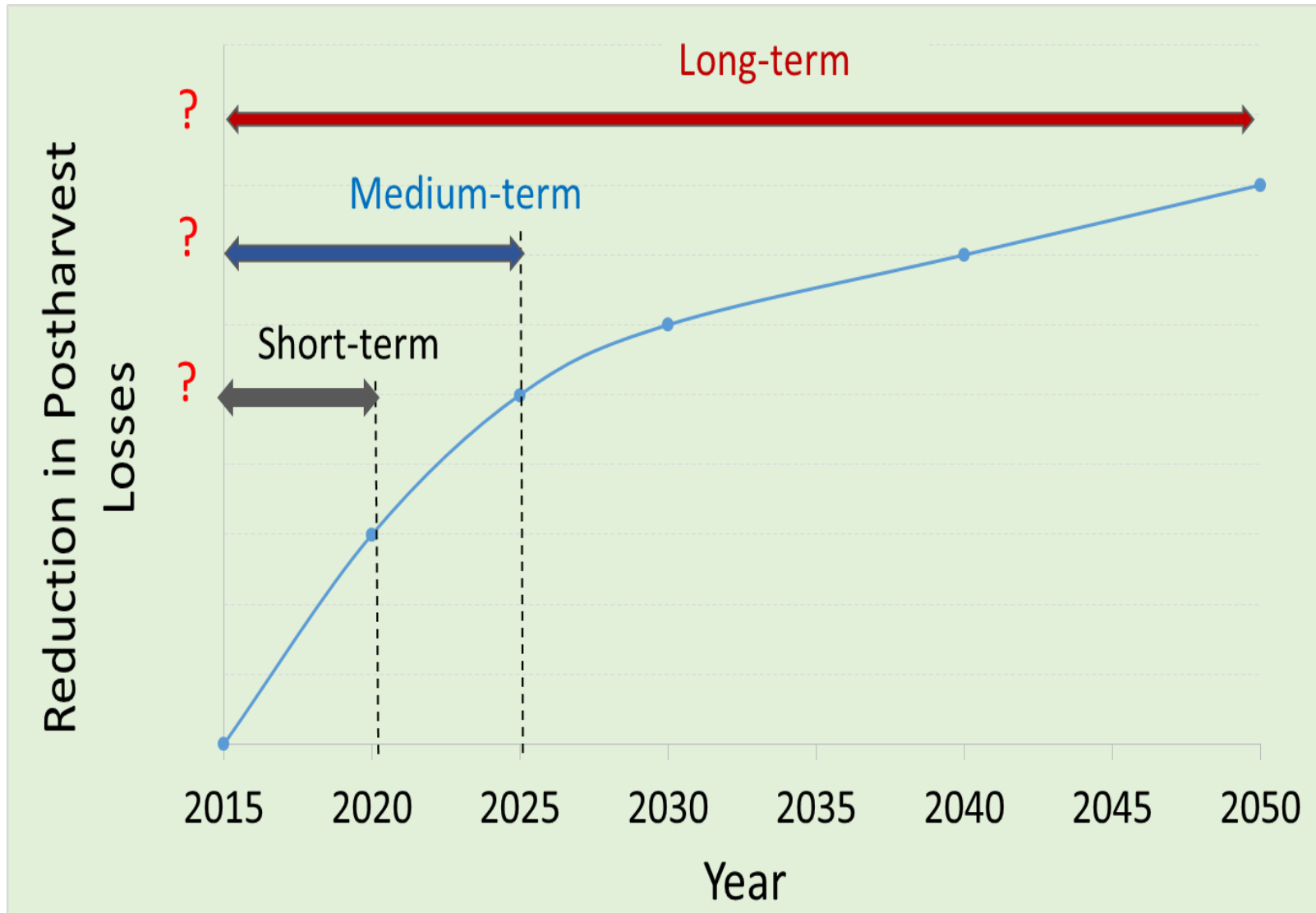


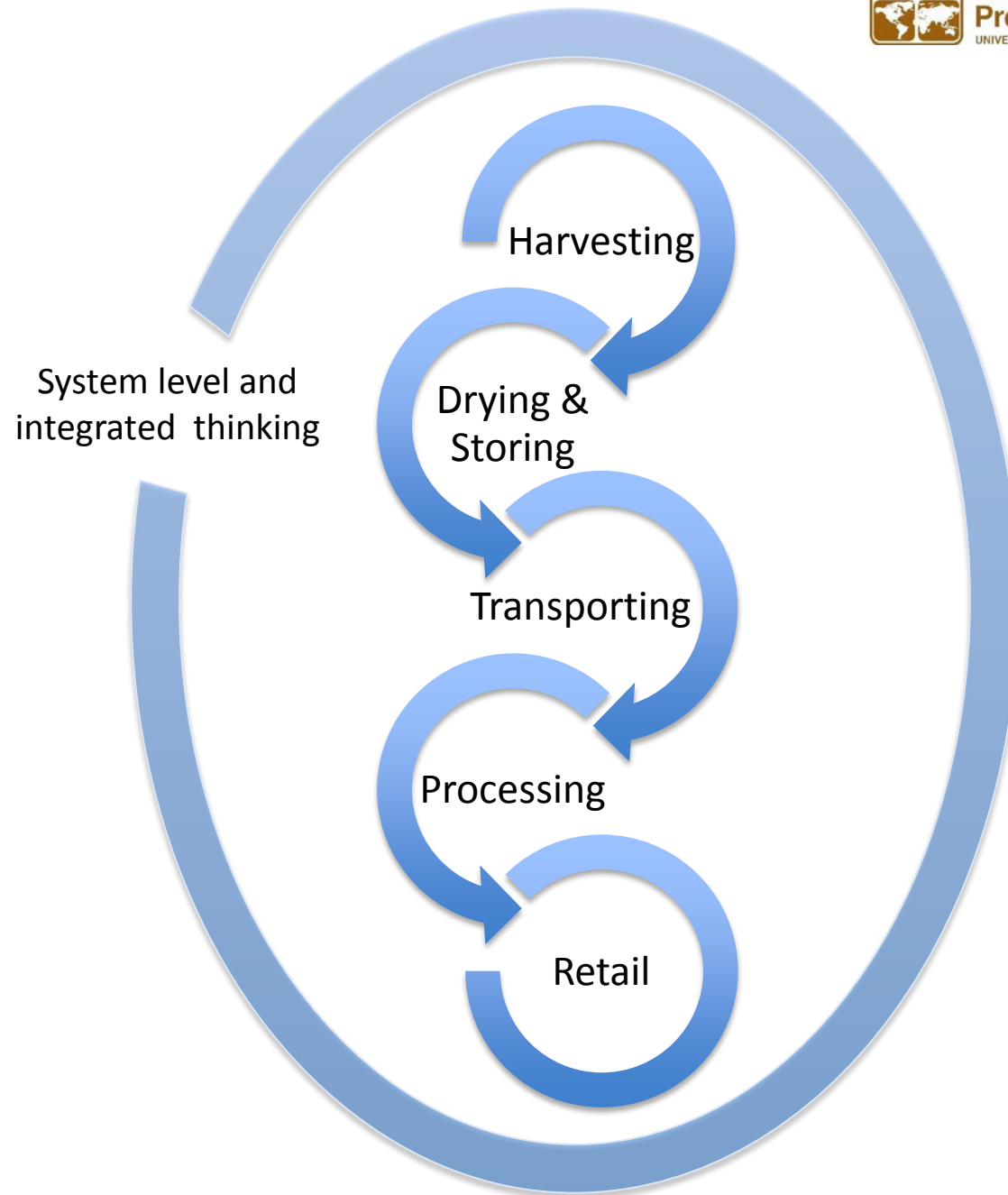
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# Confirm 'direction of travel'







# First cut of Targeted Intervention Areas

<b>Markets</b>	Increased market value of commodities for smallholder farmers Creating markets and linking farmers to the markets Availability and access to marketing and pricing information Quality expectations of end-users for better price
<b>Technology</b>	Availability of affordable, environment-friendly technologies Awareness about technologies and their use Improve conventional technologies and their adaptability and adoption Develop advanced level technologies
<b>Policy</b>	Policies that enable effective implementation of the best postharvest loss reduction solutions for smallholder farmers Reducing access barriers such as financing Providing incentives and subsidies New policy and infrastructure development
<b>Education and training</b>	Knowledge sharing and capacity-building for overcoming barriers at all levels (individual, community, regional, national, international) Awareness of problems, and potential solutions and impact Human and institutional capacity building at all levels (for all stakeholders) Implementing programs to empower women and self-help groups



# Harvesting

	2020	2030	2040	2050
Markets				
Technology				
Policy				
Education & Training				



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## Objective: Gather ideas on

scope, technologies, key benefits, blockages, required policy action

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**Audiences?**

- Have we identified all the key audiences for the output of this work?
- What are we trying to communicate?
- What will drive uptake of necessary change?
- What are our targets

**Drivers for Change**

**High-level Road Map**

**3rd party review and comment**

- Engage and expand with 3<sup>rd</sup> parties
- Form topic working groups with a motivated leader
- Who else do we need to bring in?

**Working Groups**

- Develop and peer-review detailed TRMs
- Evolve high level Road Map

**Detailed RoadMaps  
R&D & policy agenda**

- Develop stakeholder agendas such as R&D, policy
- Identify significant actions

**LIVING DOCUMENT – MONITOR PROGRESS & UPDATE, and **SHARE** INFORMATION**



Big round of applause for  
Prasanta and his team.

A great Congress!!!!