

September 29th - 30th, 2016
Palmeraie Golf Palace,
Marrakesh



29 - 30 septembre 2016
Palmeraie Golf Palace,
Marrakech

HIGH-LEVEL MEETING ON THE INITIATIVE FOR THE ADAPTATION OF AFRICAN AGRICULTURE TO CLIMATE CHANGE "AAA"



RENCONTRE DE HAUT NIVEAU SUR L'INITIATIVE POUR L'ADAPTATION DE L'AGRICULTURE AFRICAINE AUX CHANGEMENTS CLIMATIQUES "AAA"



International Center for Tropical Agriculture
Since 1967 / *Science to cultivate change*



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Climate Risk Management

29 September 2016
Marrakech, Morocco

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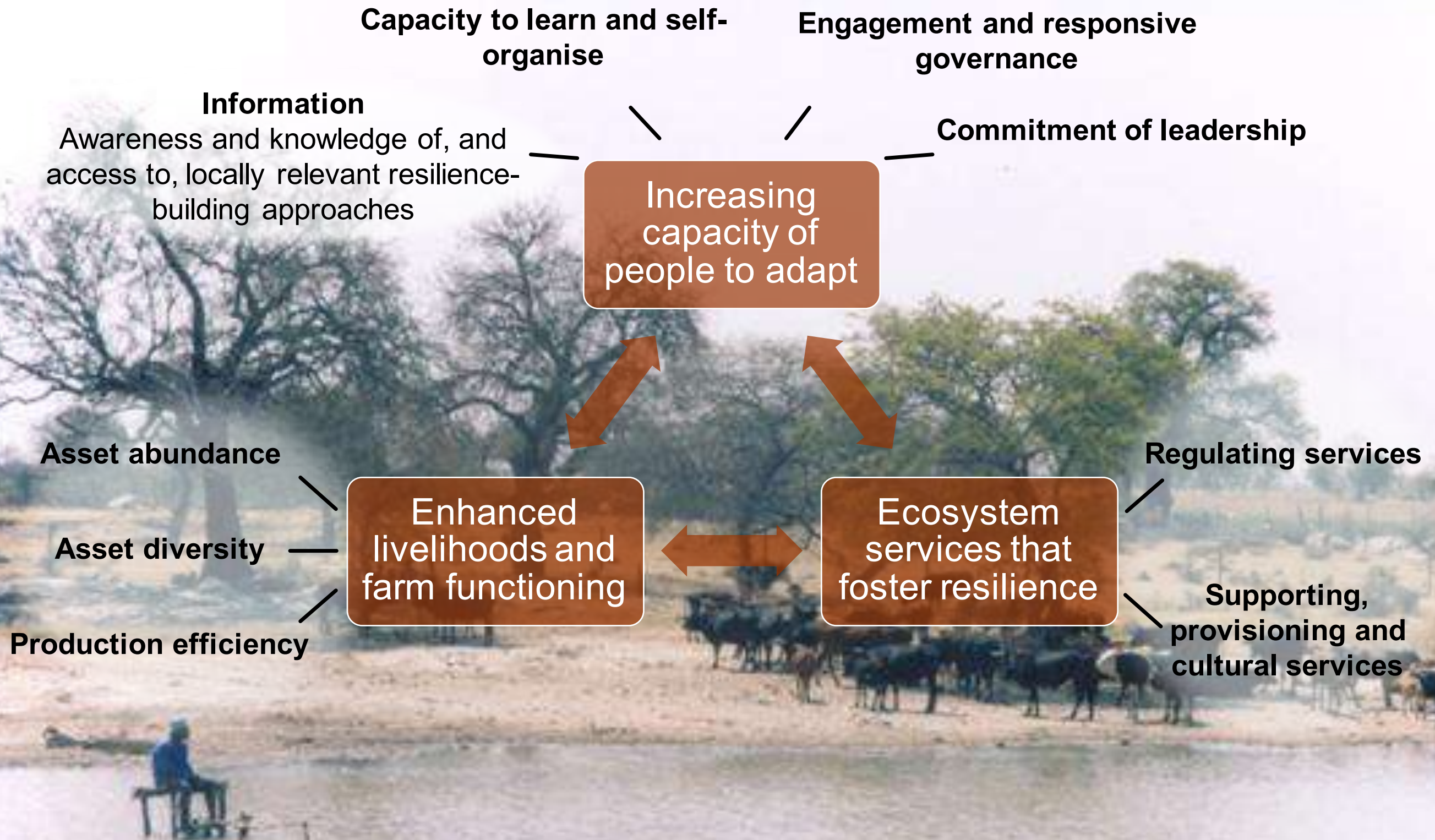


Main messages

- Agricultural technologies and practices are only part of the solution – let's think broadly
- Diverse actions are needed to drive climate risk management
- Lets scale up what works (several examples)



Take a broad perspective on resilience building



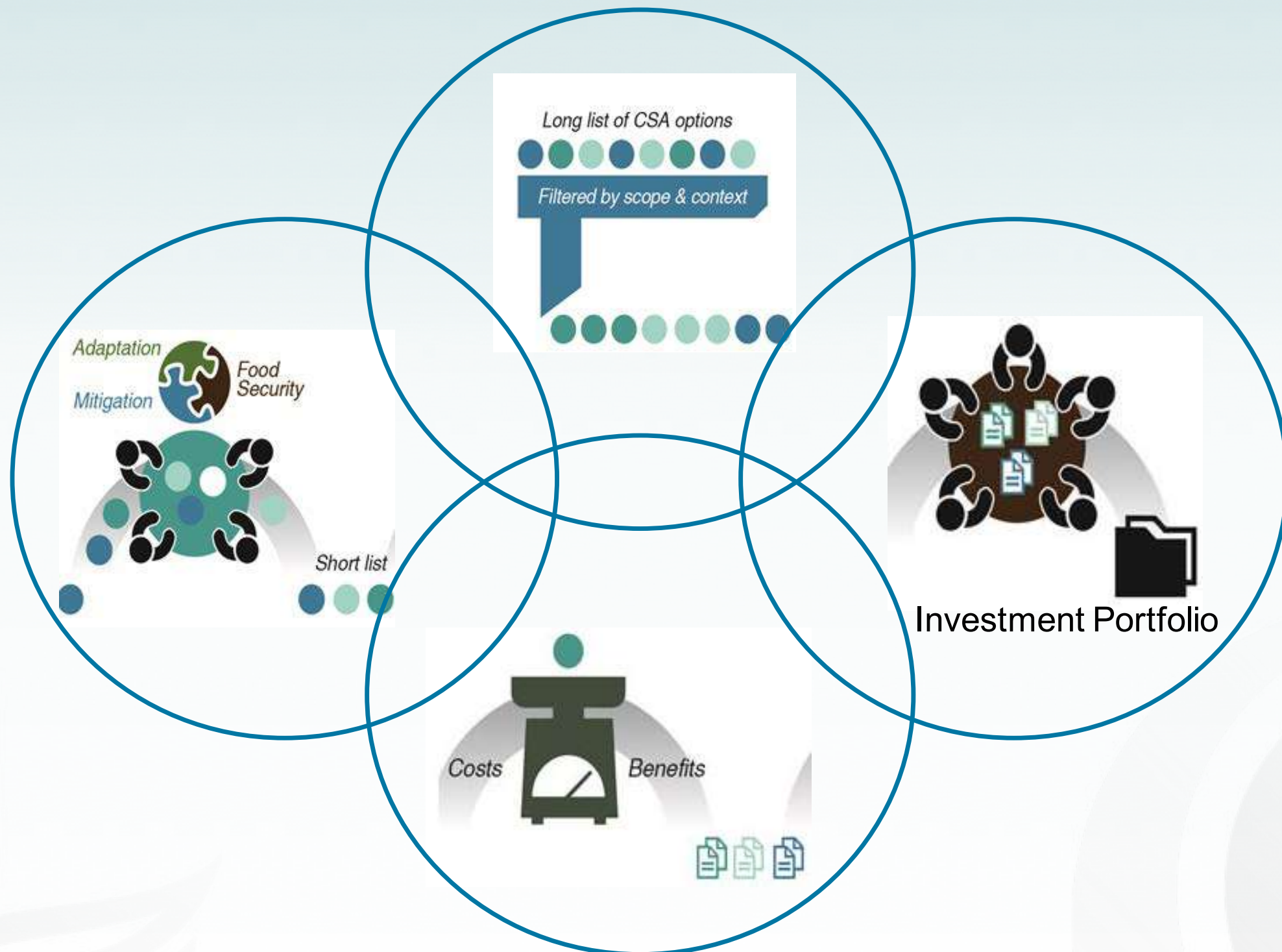
Climate risk management needs a portfolio approach – no silver bullets



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Prioritization is key



Getting farmers connected.....fertiliser, forecasts, insurance



- Mobile platform for delivery of fertilizer subsidies to smallholders
- Over 4 million smallholders being served - subsidy cost per farmer dropped by over 80%
- Next: → index-based insurance?
→ mobile-based advisories

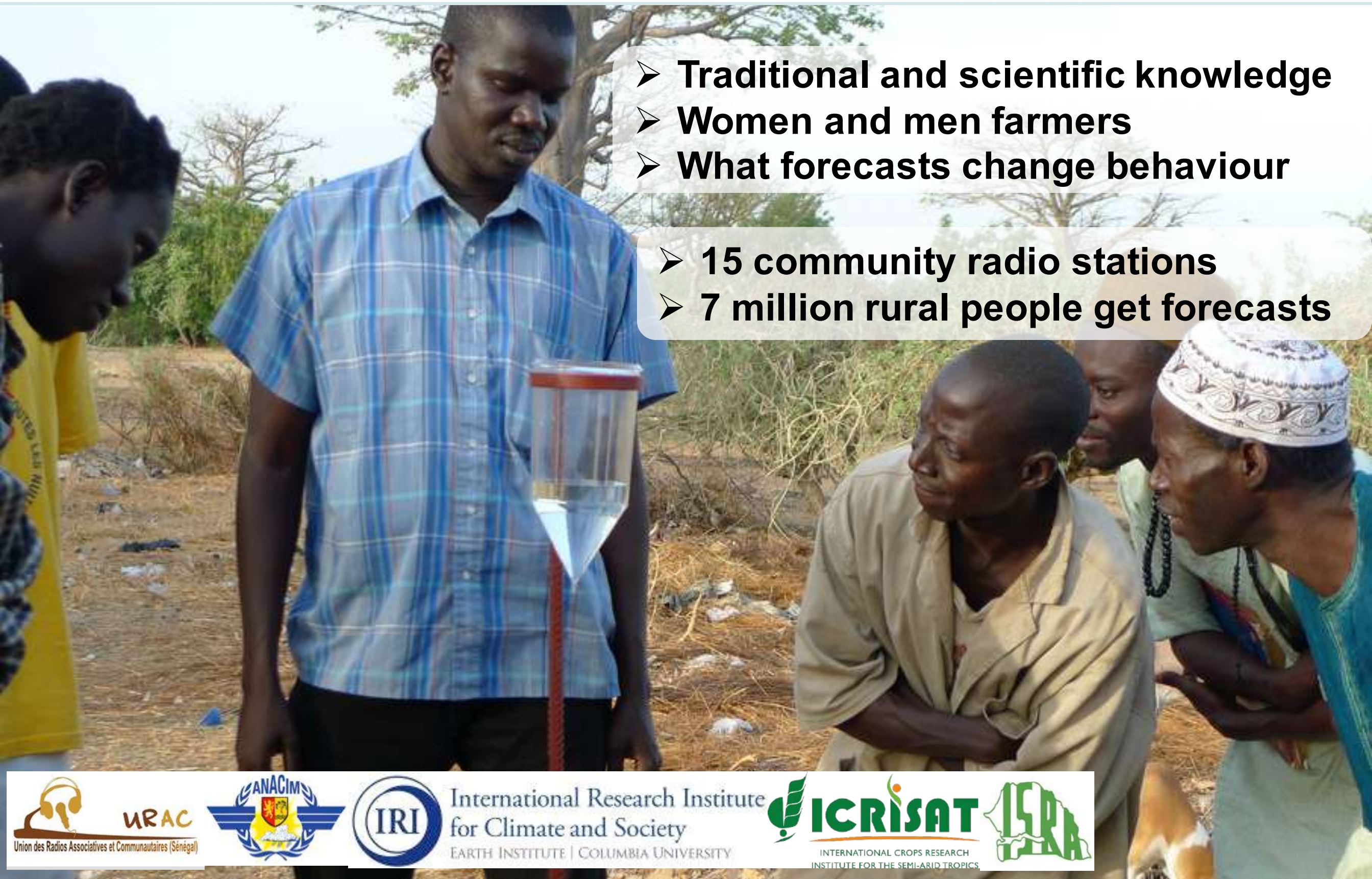
Getting farmers seasonal advisories



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- Traditional and scientific knowledge
 - Women and men farmers
 - What forecasts change behaviour
- 15 community radio stations
 - 7 million rural people get forecasts



Early warning



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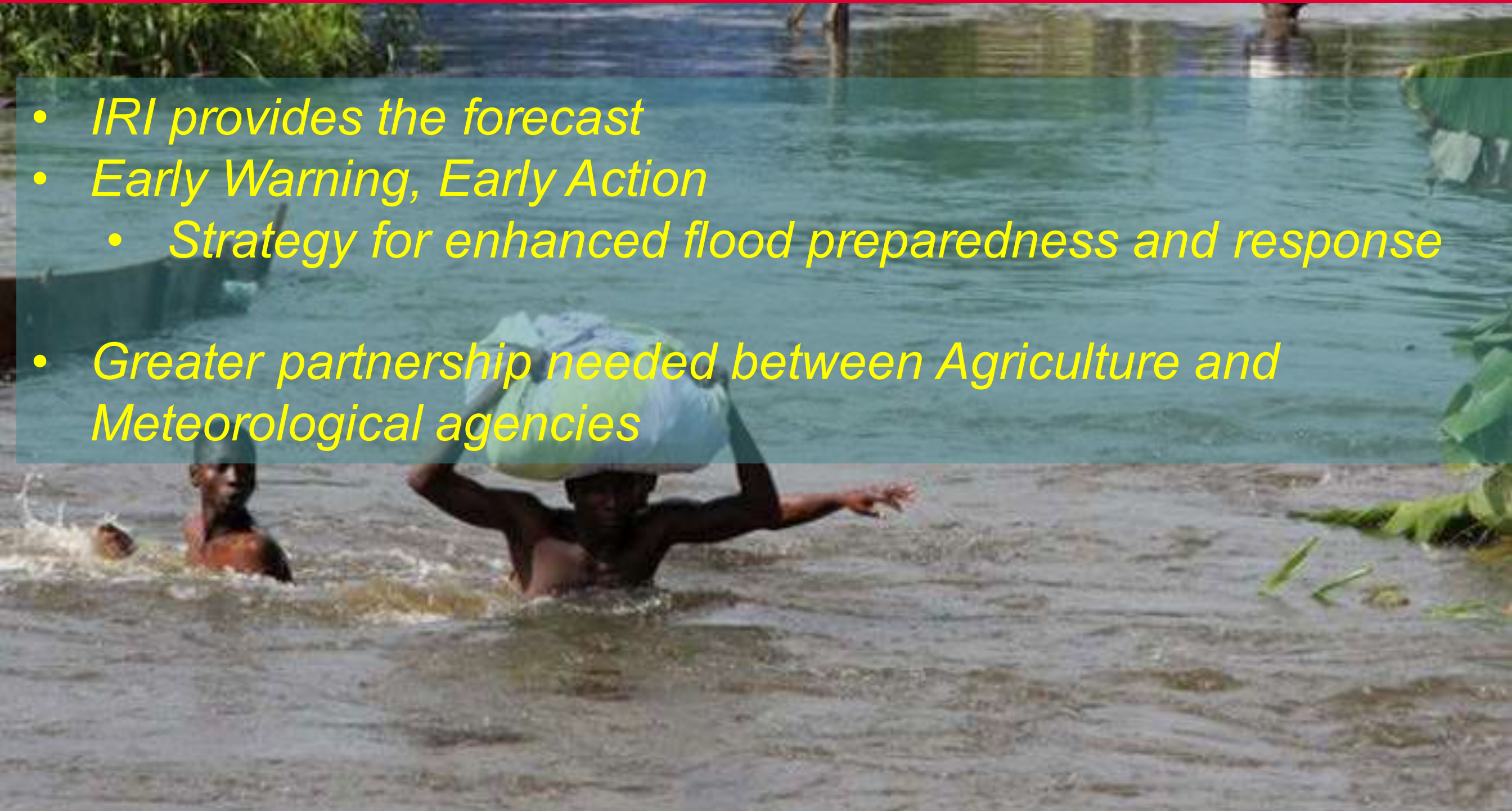


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International Federation
of Red Cross and Red Crescent Societies

- *IRI provides the forecast*
- *Early Warning, Early Action*
 - *Strategy for enhanced flood preparedness and response*
- *Greater partnership needed between Agriculture and Meteorological agencies*



PARTNERSHIP FOR AGRICULTURAL INFORMATION IN AFRICA

SOIL INFORMATION + WEATHER INFORMATION + YIELD INFORMATION + RESILIENCE TRAITS + UNIQUE IDENTIFIERS

DECISION MODELING

FINANCIAL SERVICES

SUSTAINABLE LAND
MANAGEMENT

SMART MARKET
ACCESS

PRECISION FARMING

NEW SCIENCE

MOBILE SERVICES

INSURANCE

OTHERS

ECO-EFFICIENT AGRICULTURE

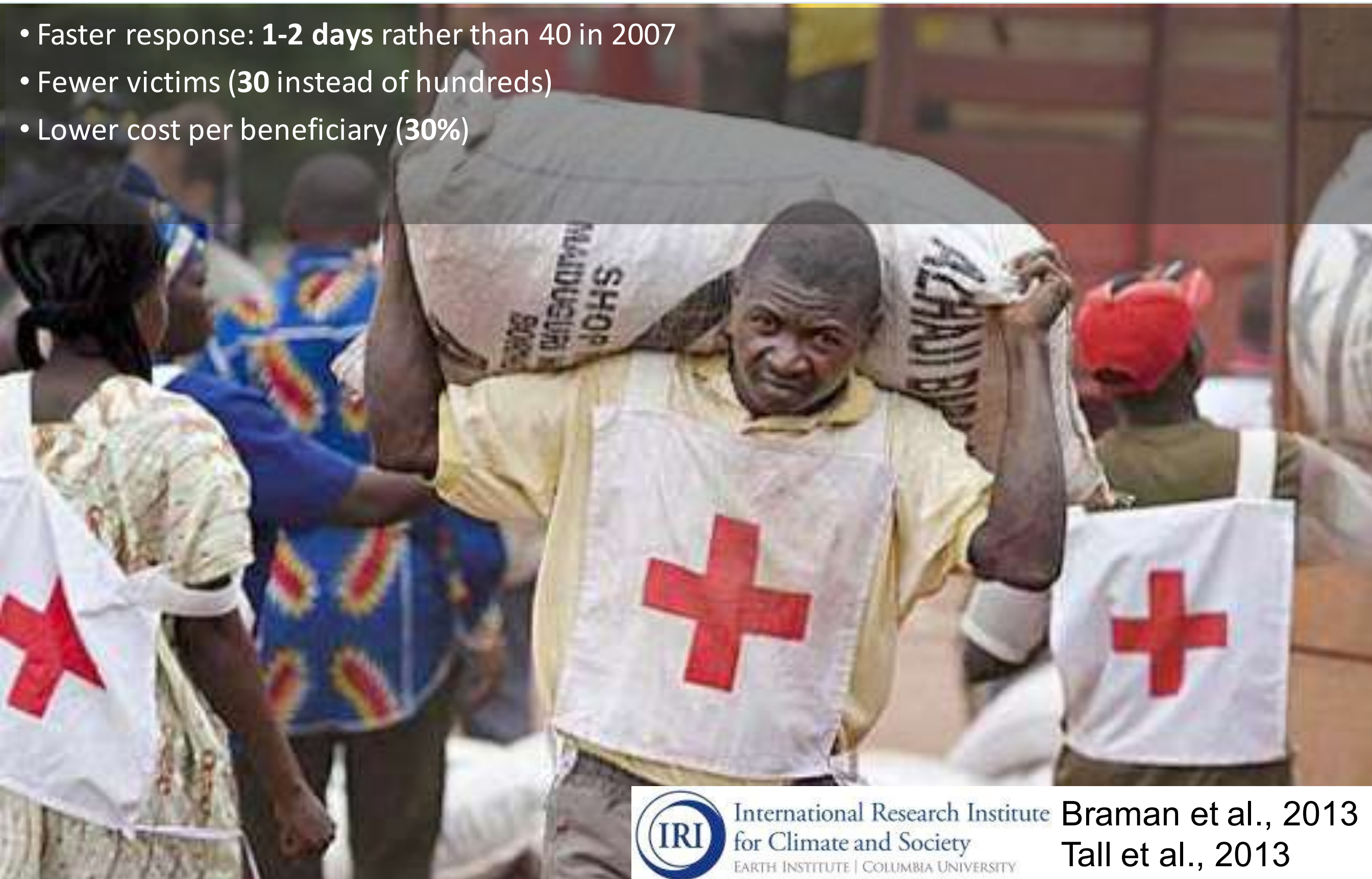
Early Action works:



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- Faster response: **1-2 days** rather than 40 in 2007
- Fewer victims (**30** instead of hundreds)
- Lower cost per beneficiary (**30%**)



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Braman et al., 2013
Tall et al., 2013

Productive Safety Nets

Example: Ethiopia

- Cash transfers for work by chronically food insecure populations
- ~1.3 million made food secure
- Growth in livestock holdings
- 9 million ha rehabilitated
- Better access to clean water
- Increase in school attendance



Key Take-away



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- **Recognition that to build resilience we must go beyond agricultural technologies and practices**
- **We need a portfolio approach – there is no silver bullet**
- **Given the diversity of options, scientists need to give attention to helping major development players to prioritise options and portfolios.**
- **There are many examples of successful actions that facilitate resilience building for climate risks**

Thank you



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