

# **Adaptation to Climate Change in Small- scale Agriculture**

## *Selection of Adapted Seeds and Varieties*

9 September 2015

HEKS Zürich

Judith Macchi

# Selection of Workshop Topic

IPCC Report 2014 states that ...

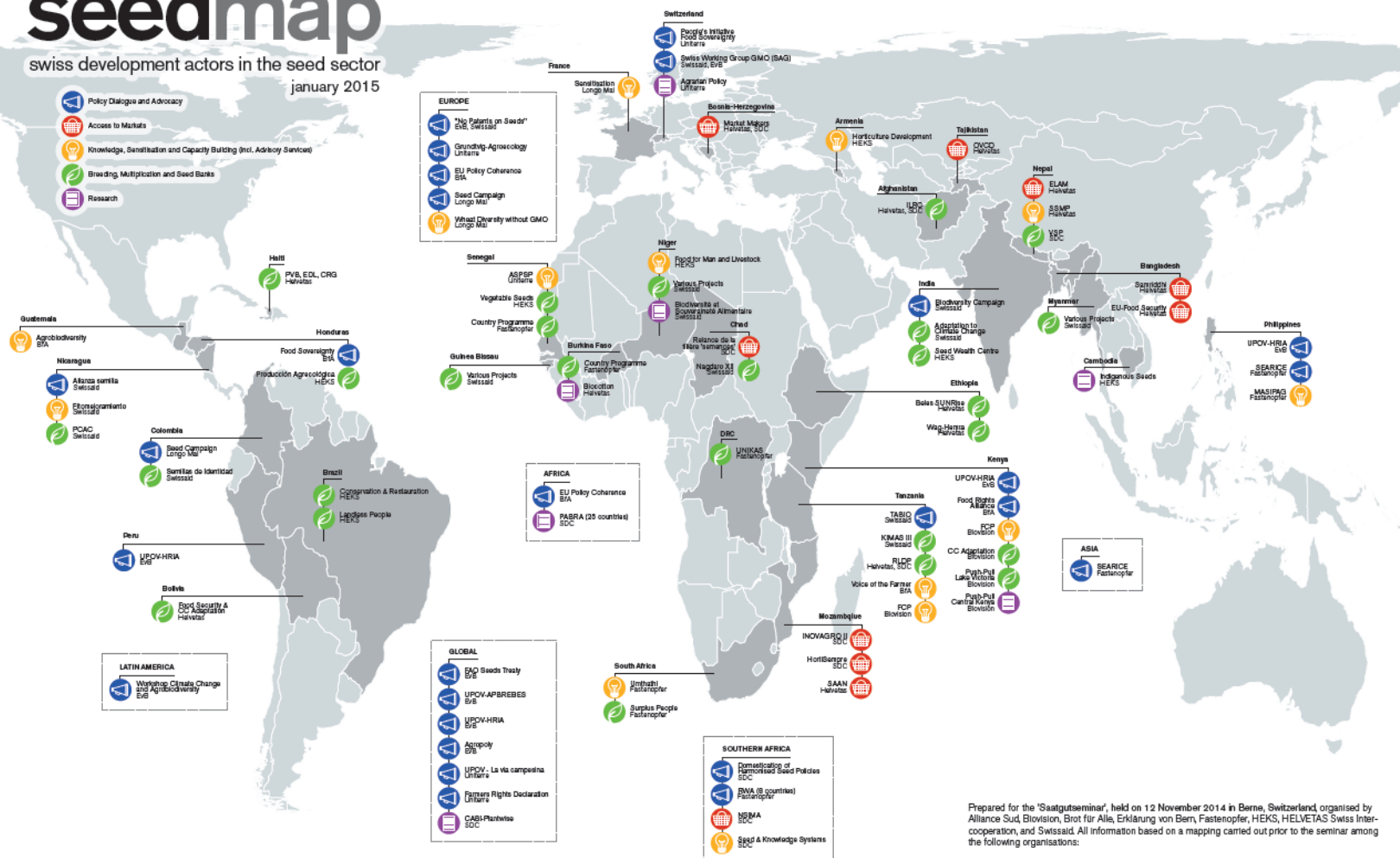
- Climate change will negatively affect the production of the world's major crops, particularly in sub-Saharan Africa, the Caribbean, South Asia and northern Australia
- Although farmers had to adapt crops and cropping systems to new environmental challenges for thousands of years, speed and complexity of human-induced climate change present unpredicted challenges
- Extreme weather events, e.g. drought, flood, are expected to become more frequent
- Plant diseases and pests are heavily influenced by climate

# seedmap

swiss development actors in the seed sector

january 2015

- Policy Dialogue and Advocacy
- Access to Markets
- Knowledge, Sensitisation and Capacity Building (incl. Advisory Services)
- Breeding, Multiplication and Seed Banks
- Research



Prepared for the 'Saatgutseminar', held on 12 November 2014 in Berne, Switzerland, organised by Alliance Sud, Biovision, Brot für Alle, Erklärung von Bern, Fastenopfer, HEKS, HELVETAS Swiss Intercooperation, and Swissaid. All information based on a mapping carried out prior to the seminar among the following organisations:

Bread for All (BfA) | Biovision | Berne Declaration (EvB) | Swiss Catholic Lenten Fund (Fastenopfer) | HELVETAS Swiss Intercooperation | Swiss Church Aid (HEKS) | Longo Mai | Swissaid | Swiss Development Cooperation (SDC) | Uniterra

For further details, please refer to the list of projects and interventions.

## Goals of the Day

- Participants have a better understanding of the role of plant genetic resources for climate change adaptation
- Good practices on the selection, cultivation and storage of adapted seed varieties are shared and possibilities for upscaling are discussed amongst practitioners
- Questions and issues to follow up after the Learning Event are defined

## Programme

09.30 Welcoming

09.40 Introduction Round

10.00 Case Studies

- Diversification in Afghanistan
- Seed Banks in Central America
- Testing of adapted seeds in Niger

12.00 Key Theoretical Input

13.00 Lunch Break

14.00 Bottlenecks and Lessons Learnt

14.30 World Cafe

16.00 The way forward

16.30 Wrap up and closure

