Alterra Wageningen UR

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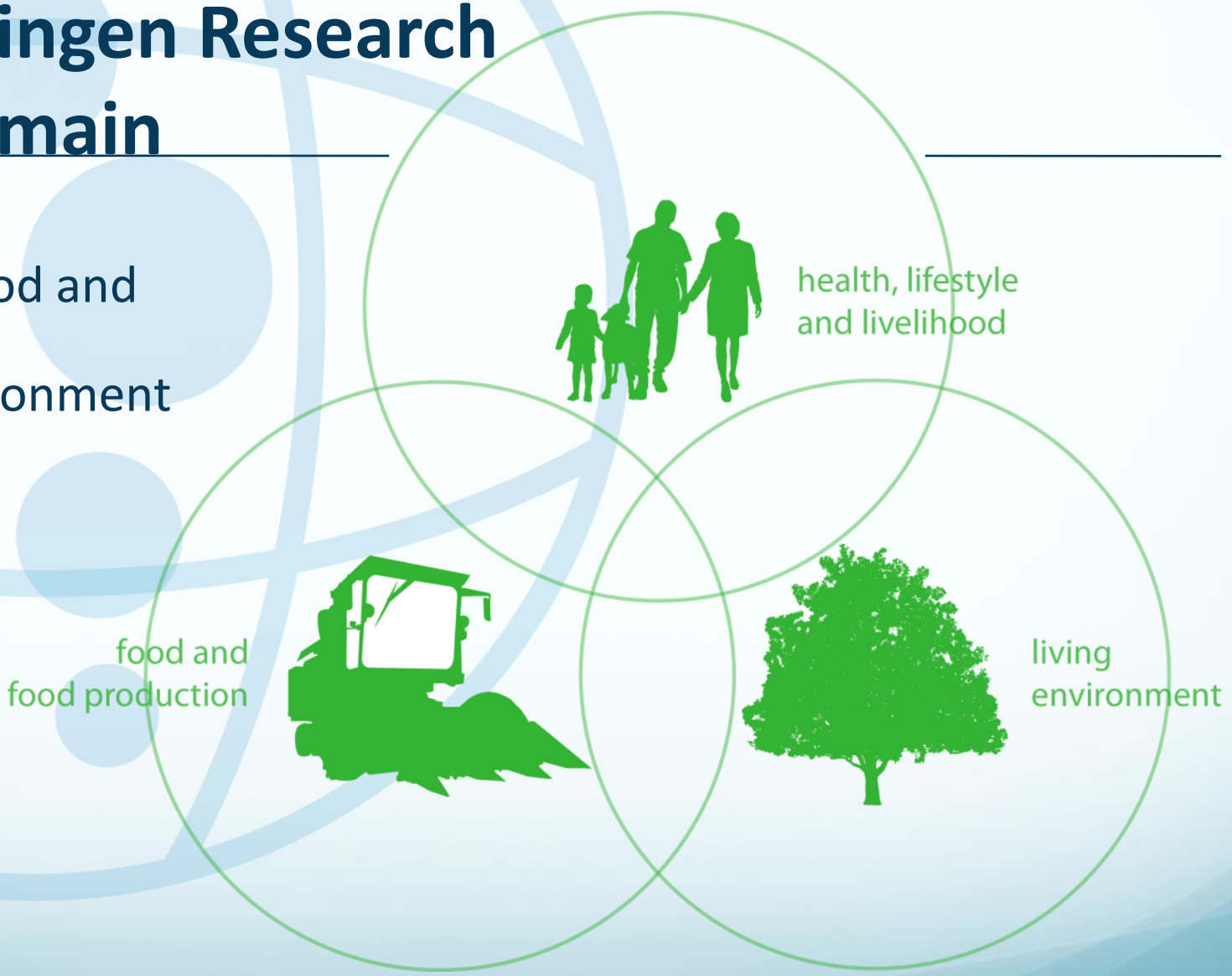
Wageningen Research
Our domain

Healthy food and

living environment



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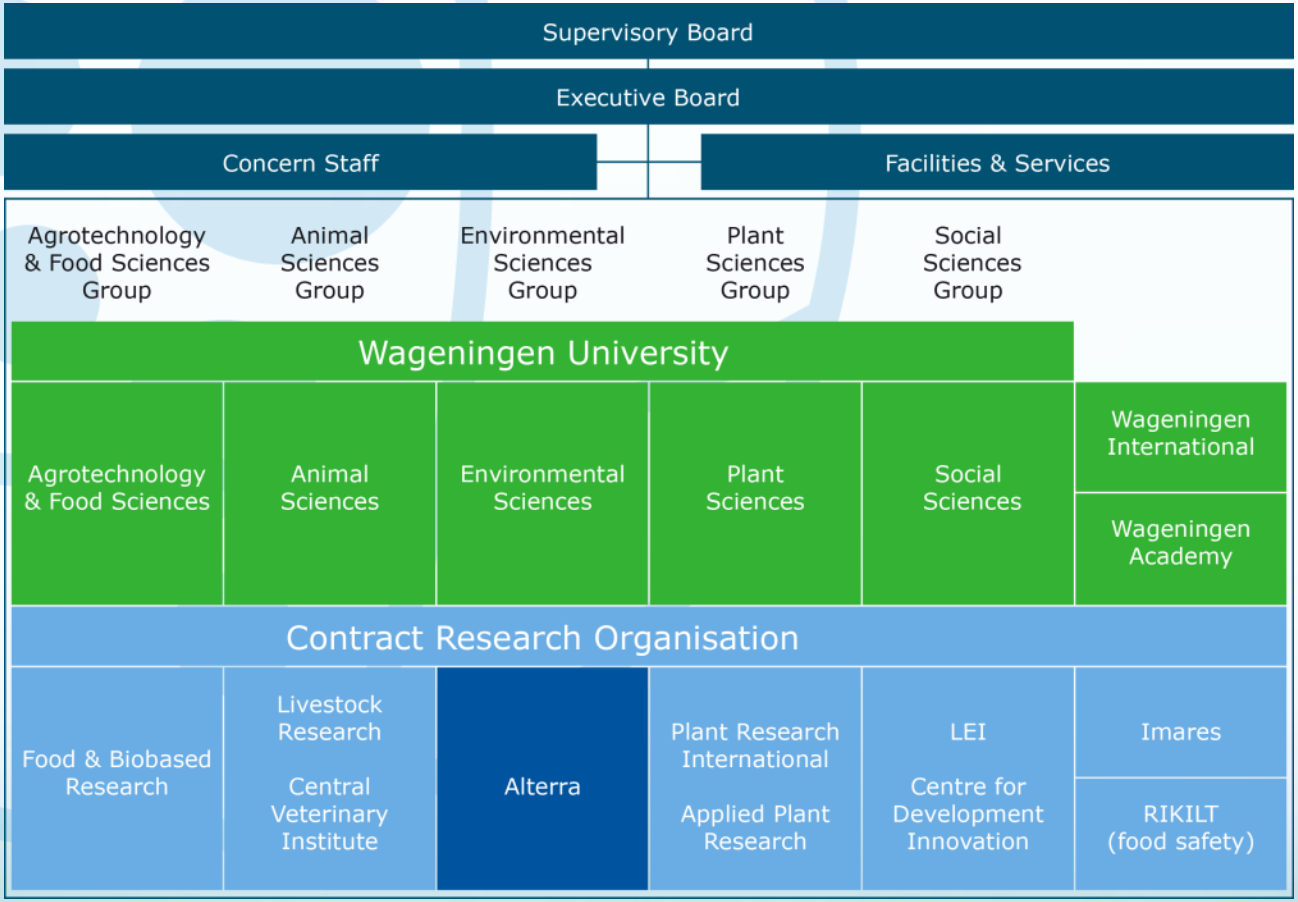
Wageningen Research
Our organisation



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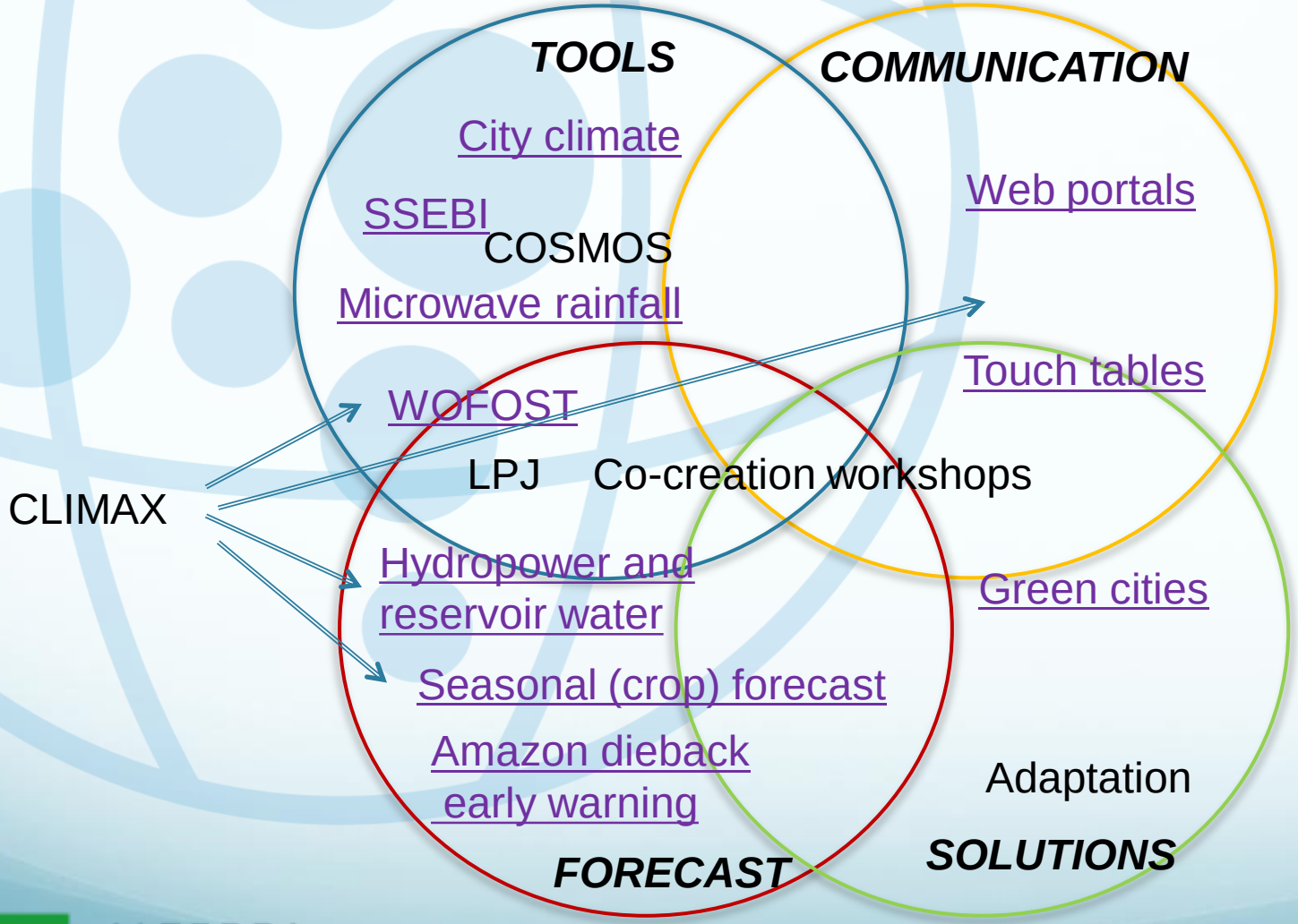
Alterra
Our strategic programmes

What could Alterra/Wageningen share?



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Understanding user needs for climate adaptation and weather services

Dr. Hasse Goosen

Wageningen Environmental Research & Climate Adaptation Services Foundation

From climate services to *adaptation* services

- WMO (2011): “Existing Climate services are not well focused on user needs … **Climate Services do not reach the last mile** to the people that need them most, particularly at community level… There is a need for co-design of climate services products”
- *Adaptation services* to bridge the gap between the climate data and the adaptation planning community
- Weather impacts and medium-term forecasts are poorly communicated
- We need better understanding of user needs

Supply screening of climate services

- Data overload, fragmented, supply driven
- Not fit for local purpose
- Uninspired presentation (text heavy)
- Science needs to interact with users to co-produce services

Two dominant ‘frames’ on adaptation

Risk avoidance	Value creation
Reductionistic	Integrated holistic
Technical engineering (controlling the water)	Systems approach (using nature, living with water)
Quantification of risks and uncertainties	Creating support through design and visualization
Cost effectiveness of measures	Business cases & co-benefits

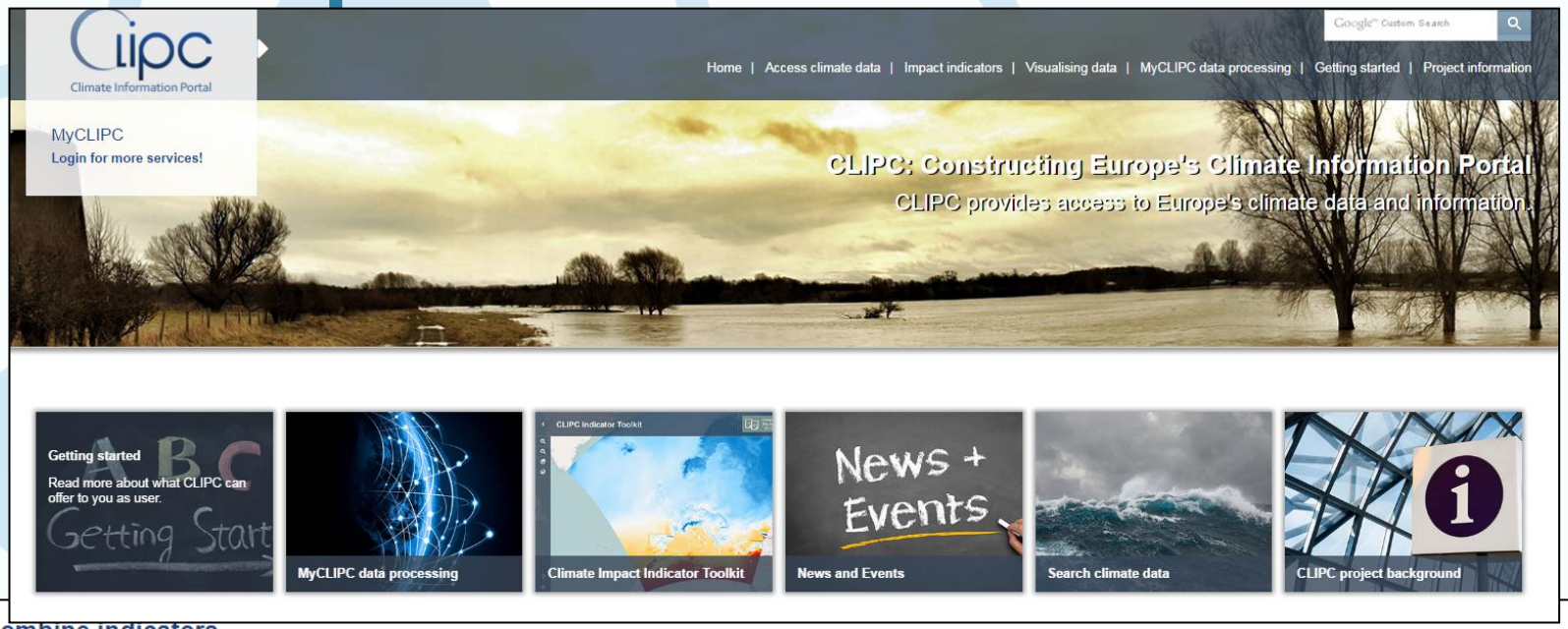
Minimizing risks

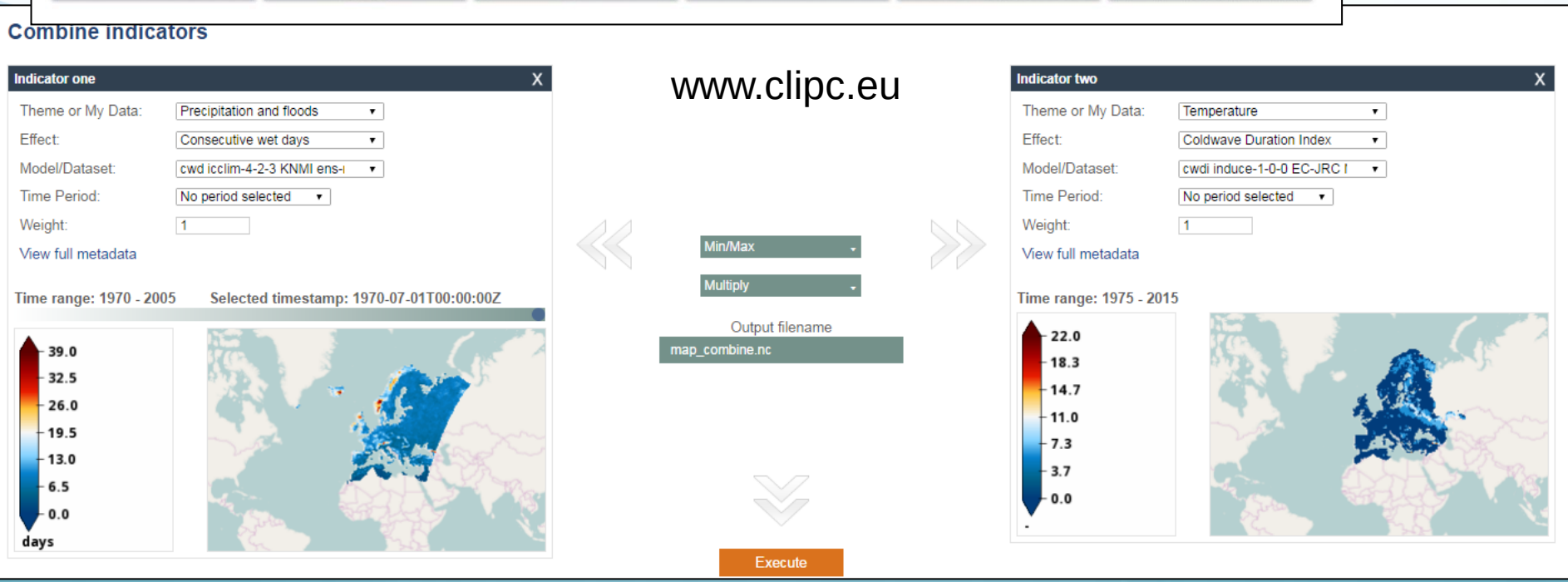
Maximizing opportunities

Adaptation and weather services

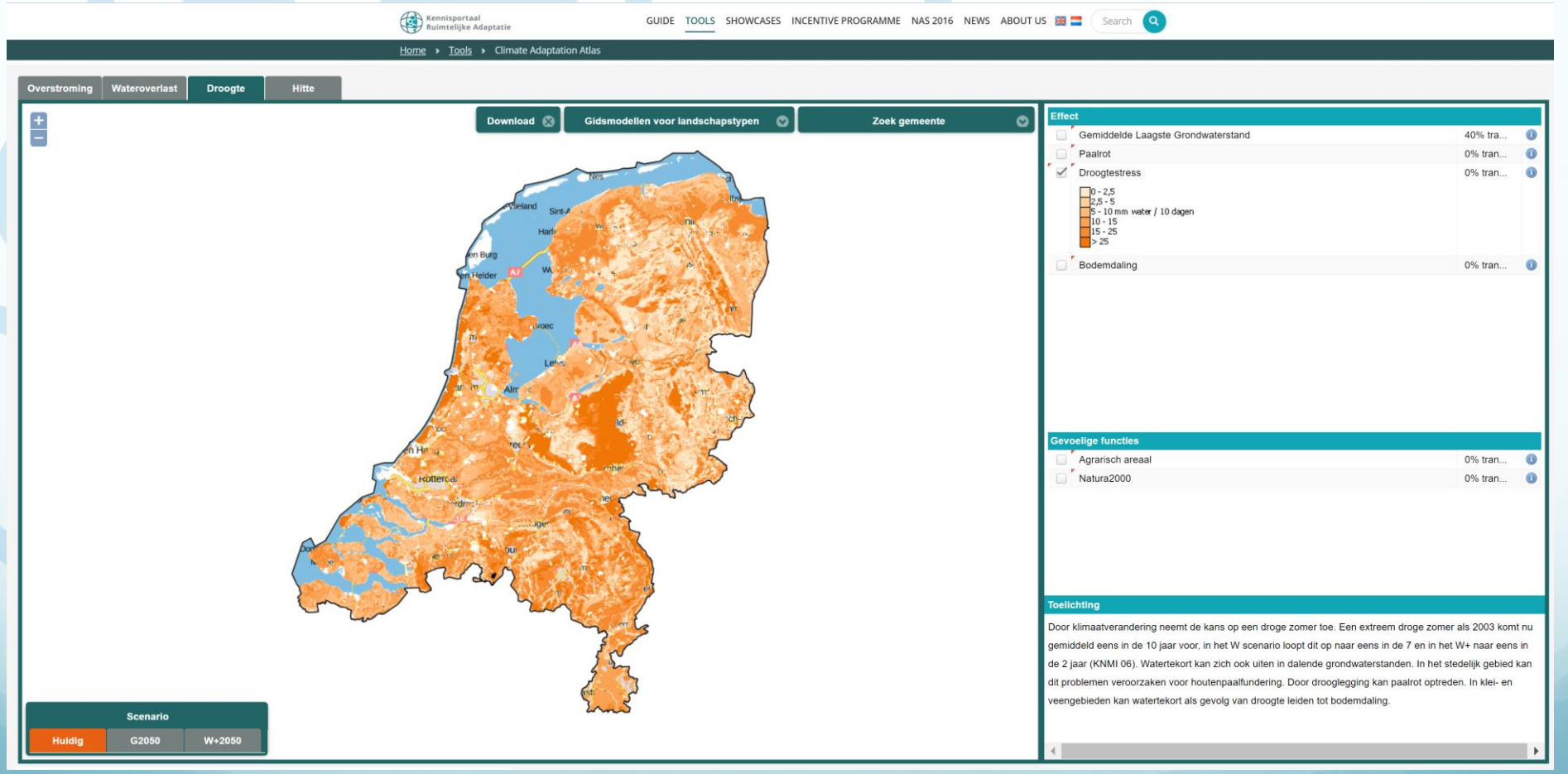
- Support Risk Avoidance as well as Maximizing opportunities
- User friendly
- Visualizations
- User involvement during development phase
- Advice by experts in visualisation/communication techniques
- Implement locally, maintenance done by local institutes

Example: CLIPC climate indicator

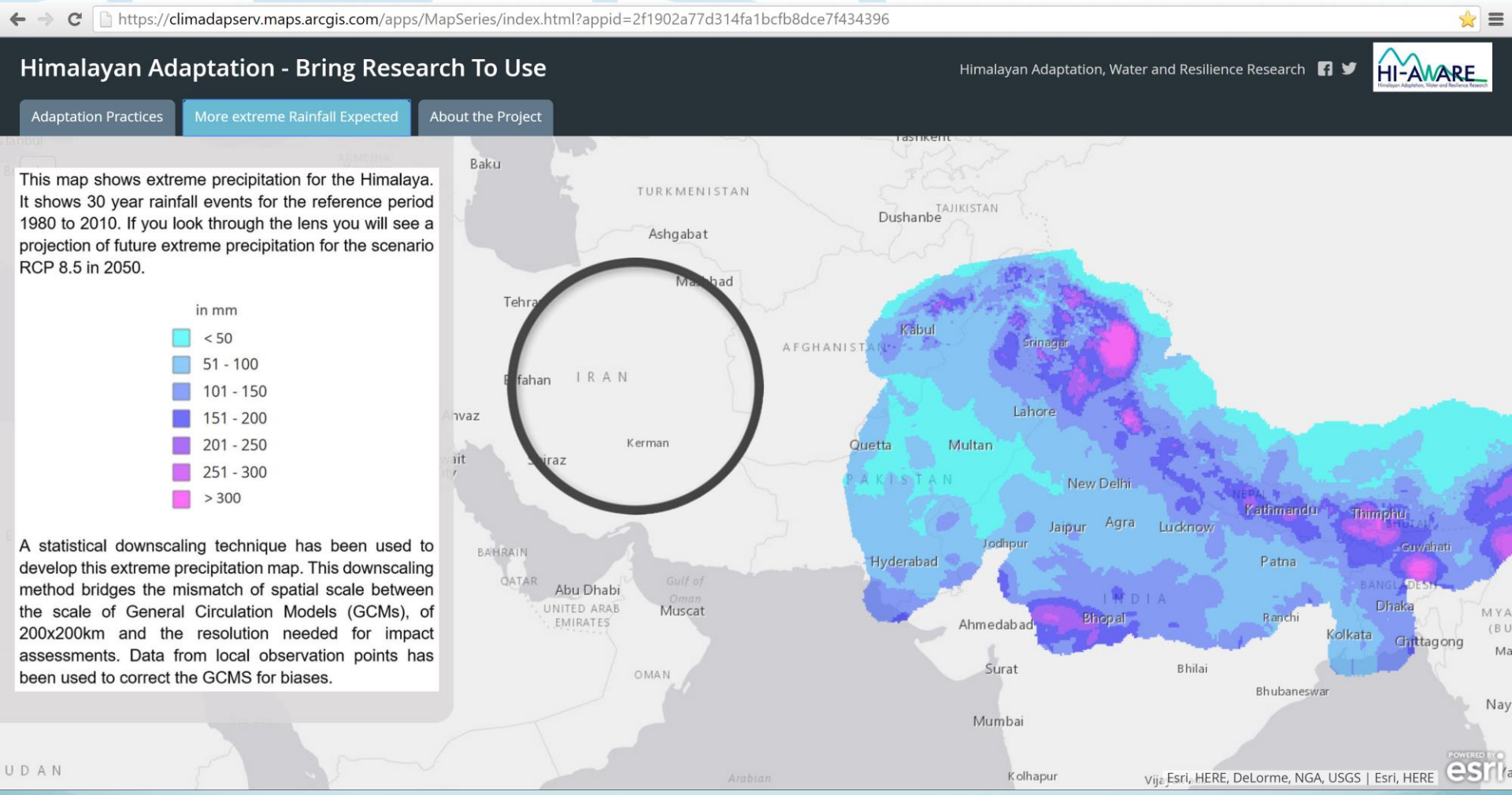




Example: climate atlas



Example: Story Mapping



How can we help?

- Listen
- Help / facilitate interactions and co-creation
- Training in communication techniques (web portals, leaflets/books, training workshops)
- Joint development of portals/information services
- Help identify data sets
- Let’s discuss!