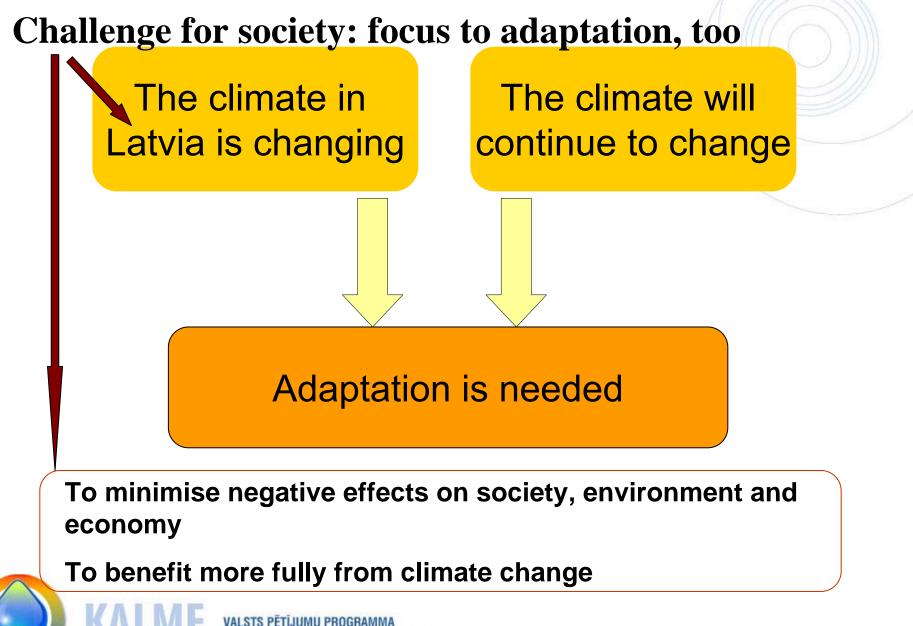
## WP7

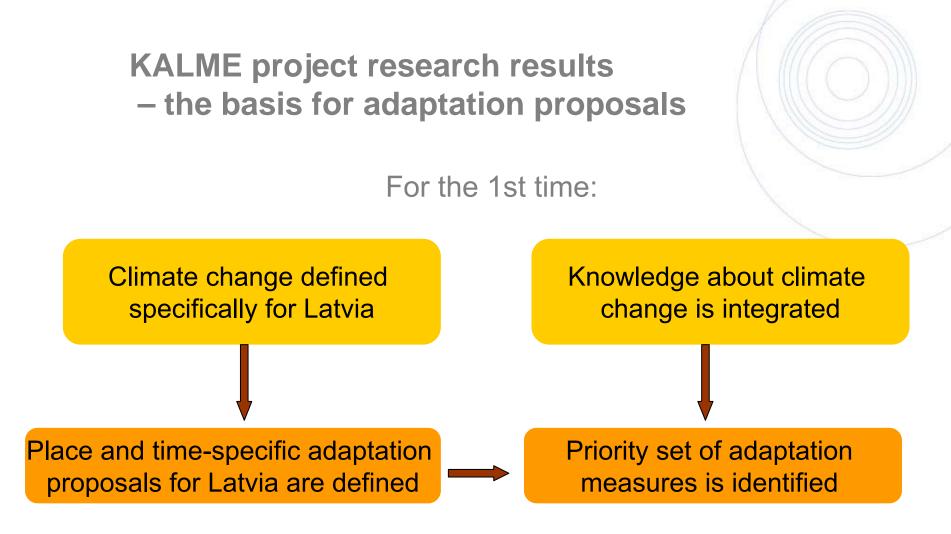
## Adaptation to Climate Change in Latvia: Challenges for Society and Researchers

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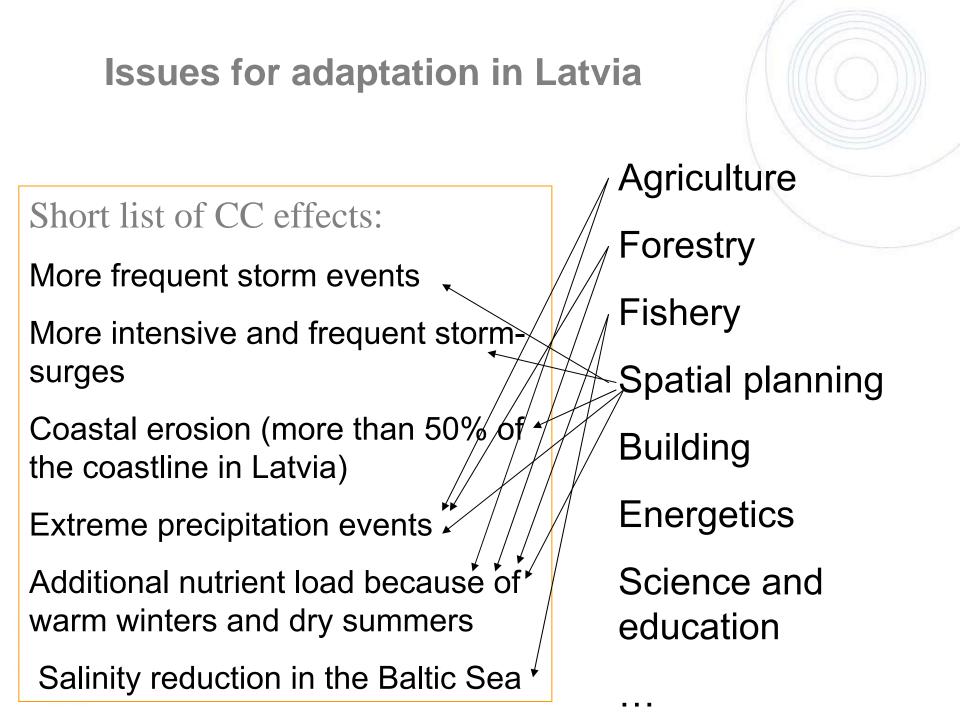


KLIMATA MAIŅAS IETEKME UZ LATVIJAS ŪDEŅU VIDI



## **Success factors for KALME: specialisation, communication and interdisciplinarity**





### **Examples for adaptation proposals**

#### Spatial planning:

Managing high temperatures and water pollution:

Establish setback zone(10m) along waterways with variable (mozaic-type) vegetation cover

Managing flooding:

- In spatial plans consider the combination of storm-surge case with extreme precipitation case
- Strategic flood risk assessment and sequential approach to development in the floodplain.

Managing extreme precipitation:

- Understanding and planning flooding pathways in urban environments
- Manage and slow down surface water run-off and release it to the natural water cycle
- Widening drains to increase capacity

Managing storm-surges, coastal erosion and extreme precipitation:

- Large use of GIS and risk maps in development planning
- Direct development, particularly for vulnerable uses, away from flood risk areas Using extreme precipitation and dry summer events:
- Rainwater harvestingand and using for domestic purposes (garden watering, car washing)

## 3 groups of climate change effects:

Adaptation measures known:

Additional nutrient load to inland waters Adaptation measures not clear:

Additional nutrient load to inland waters

Agriculture

For fundamental science: Processes in the

Baltic Sea

## Challenge for scientists: Keep close to problems' causes

VALSTS PETIJUMU PROGRAMMA KLIMATA MAIŅAS IETEKME UZ LATVIJAS ŪDEŅU VIDI

#### Climate change adaptation dialogue between researchers and practitioners researchers practitioners survey Climate facts & Climate change in Latvia Adaptation adaptation proposals proposals workshops, Challenge for Challenge for discussions decisionscientists: makers: include communication the climate with Adaptation proposals in local and national level practitioners change evidence in and practical PETIJUMU PROGRAMMA IATA MAIŅAS IETEKME UZ LATVIJAS ŪDEŅU VIDI examples planning

# Discussion about river basin management plans



## **Proposals for legislation**

#### Success factors:

Good knowledge regarding existence of climate change Direct discussion researchers – policy-makers Convergence in time with development/revision of laws and planning documents

#### **Obstacles:**

Divergence in time with development/revision of laws and planning documents Other interests

Proposal lost in wider context



## **Post-KALME process**

- Specialized work group on Adaptation established by the Minister of the Environment
- forum for ongoing dialogue between rsearchers, policy-makers and society regarding planning and imlementation of adaptation measures into law and practice





## Thank you for your attention!