

Innovative tools for empowering communities through local emergency plans: Site-Specific Warnings

Round Table 6
Sevilla Workshop



Centre de Recerca Aplicada en Hidrometeorologia
UNIVERSITAT POLITÈCNICA DE CATALUNYA



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Community-Centred and Impact-Based Warnings

Blanes Spain, 2015



Terrassa, Spain 2018



Barcelona, Spain 2019



Terrassa, Spain 2023



Community-Centred and Impact-Based Warnings

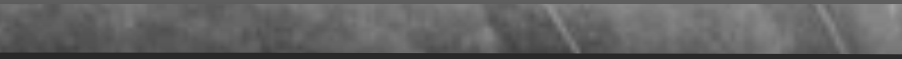
Blanes Spain, 2015



Barce



Terrassa, Spain 2018



Terrassa, Spain 2023



WHEN?



Community-Centred and Impact-Based Warnings

Blanes Spain, 2015



Barce



Terrassa, Spain 2018



Terrassa, Spain 2023



WHEN?

WHERE?

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WHEN?

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WHAT?

Barce



Community-Centred and Impact-Based Warnings

Blanes Spain, 2015

Terrassa, Spain 2018

Terrassa, Spain 2023

**Need of community-based
tools and information to
support local authorities and
citizens during emergencies**

WHAT?

Community-Centred and Impact-Based Warnings

Four Pillars of effective and people-centred EWS



Community-Centred and Impact-Based Warnings

Four Pillars of effective and people-centred EWS



Community-Centred and Impact-Based Warnings

Site-Specific warnings (SSWs) focus on communicating what the “**weather will do**” rather than what the “**weather will be**”, alongside **clear guidelines** on what actions to perform for risk reduction **at pre-identified vulnerable locations**



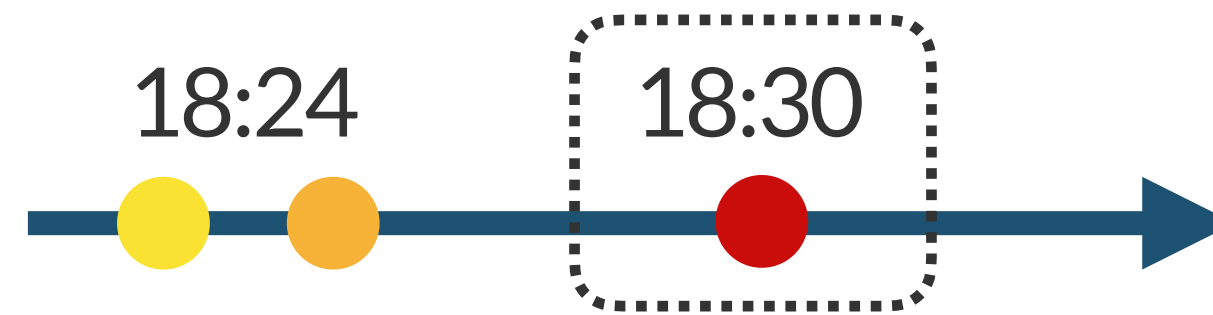
Co-designed and co-evaluated with local stakeholders

- Interviews
- Surveys
- Focus groups



Community-Centred and Impact-Based Warnings

August 16th 2023



School A: Be Alert level

Little to no disruption of school activities
Active monitoring of the situation



River gates: Emergency level

Danger to life due to fast flowing water overtopping the fords
Automatic closure of gates



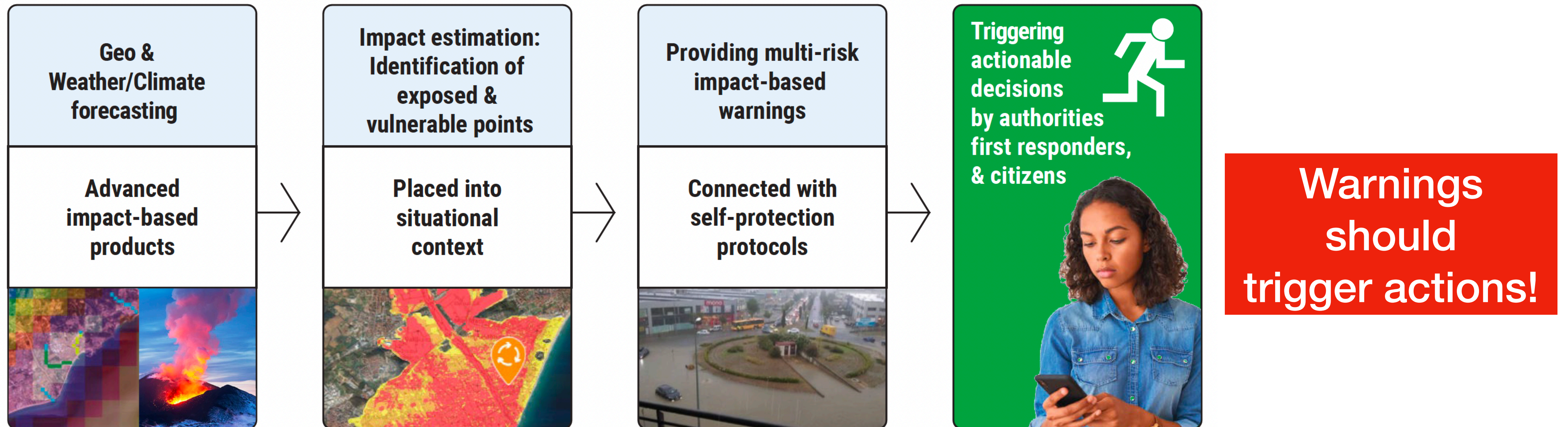
City Center: Emergency level

Flooding of lands and roads causing danger to life. Evacuations and rescue actions may be required
Activation of the municipal emergency plan



Community-Centred and Impact-Based Warnings

One of our objectives in Qobeyond



Final Thoughts

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Communities need to know the potential impacts and the appropriate actions for risk reduction
- **Local risk, local response, local warnings.** We have to integrate local information to design systems tailored to unique vulnerabilities of communities
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We should aim to provide actionable warnings to increase the situational awareness and resilience of communities during emergencies.