



Reinforcing civil protection capabilities into multi-hazard risk assessment under climate change



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TASK D4.2

Guidelines for flood and fire civil protection planning with participatory approach with an operational tool for collecting citizens monitoring observations in emergency situations

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- ▶ 21/02/2020, Barcellona

What are we speaking of

- ▶ Guidelines for an **operative protocol** (in Italian, summary version in English) suited to local conditions to perform good **participatory processes** addressed to civil protection stakeholder and municipality staff.



- ▶ A mobile **operational tool** for collecting floods and fires monitoring observations from key citizens, to be integrated into **pre-existing systems** for the emergency management at local level



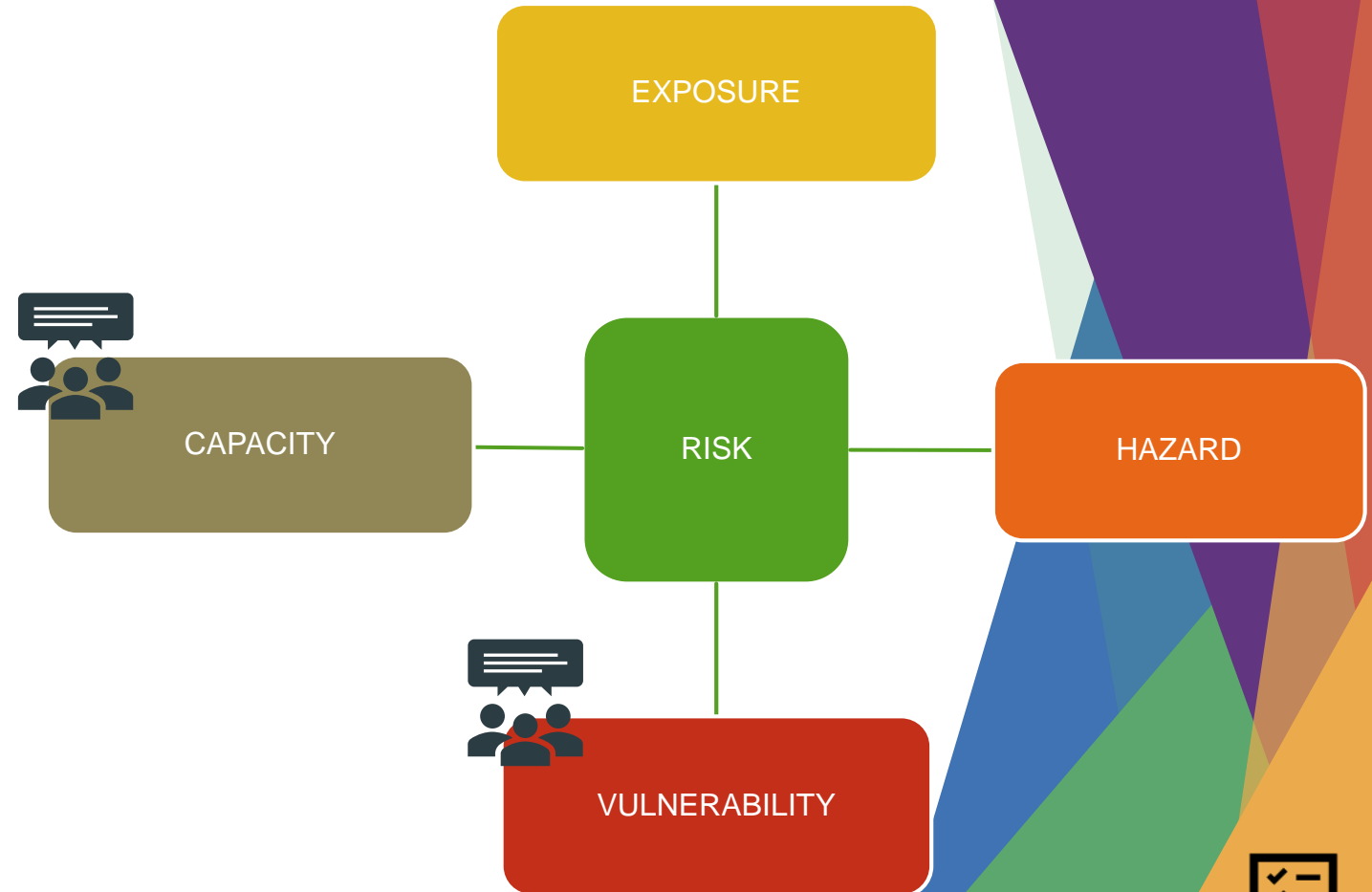
The participatory approach– WHY?

Active involvement of the population leads to

A better flood risk scenarios definition
(**Vulnerability**)

A more robust awareness of the local risk , a general context of a shared responsibility and a strong credibility of the institutions, who are the first respondents to any disasters (**Capacity**)

and so decreasing the risk





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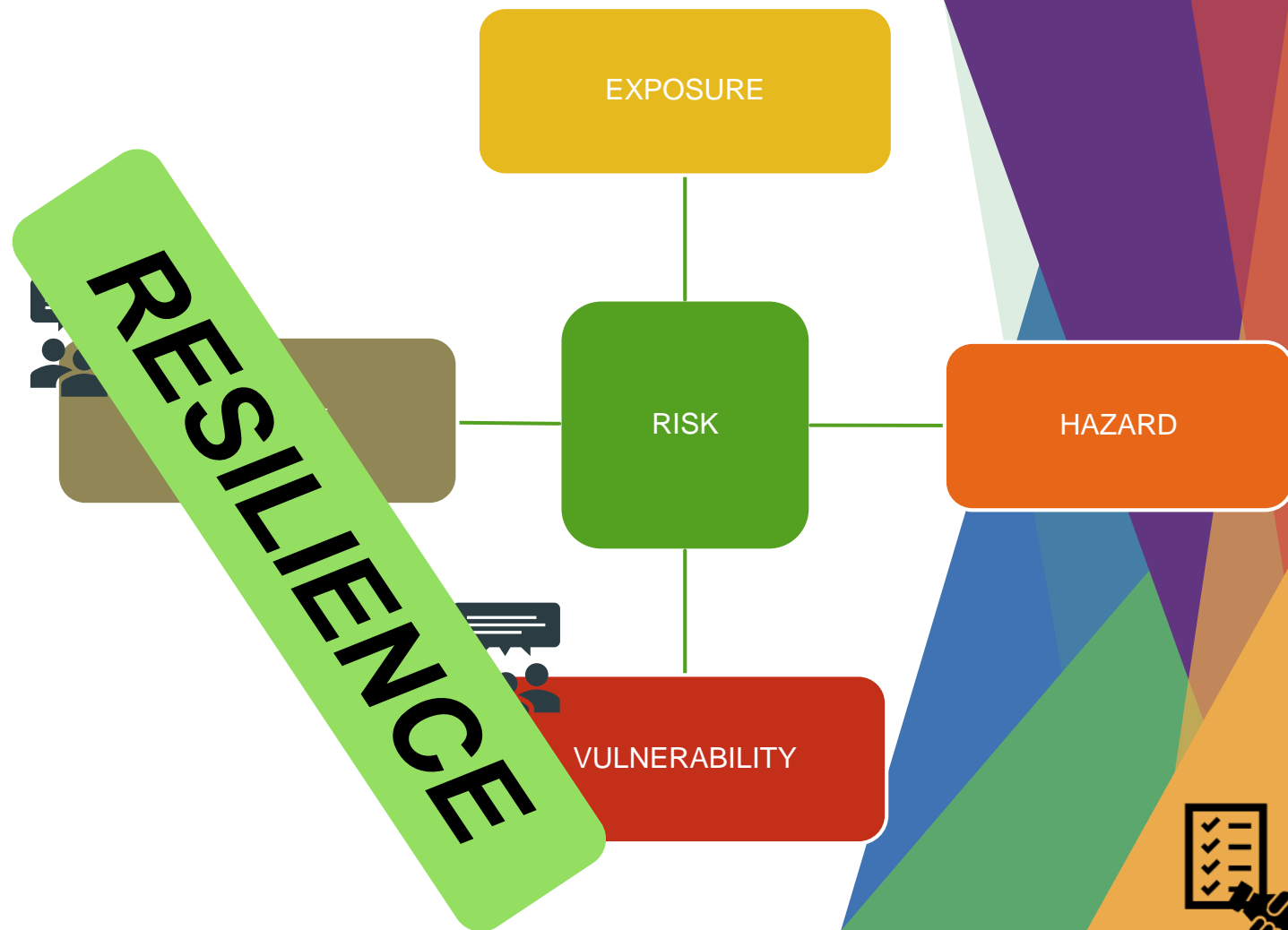
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The participatory approach– WHY?

The participatory process for CP planning reinforces the capacity of the civil protection to cope with future natural hazards because

- It develops a **“social” ground** , able to produce an improvement in future risk **governance**, “making ” the local community and technicians more aware of their territory, its needs and its vulnerability and its opportunity, and of their role for better managing the territory, and of the importance of interacting and collaborating for preventing the future risk



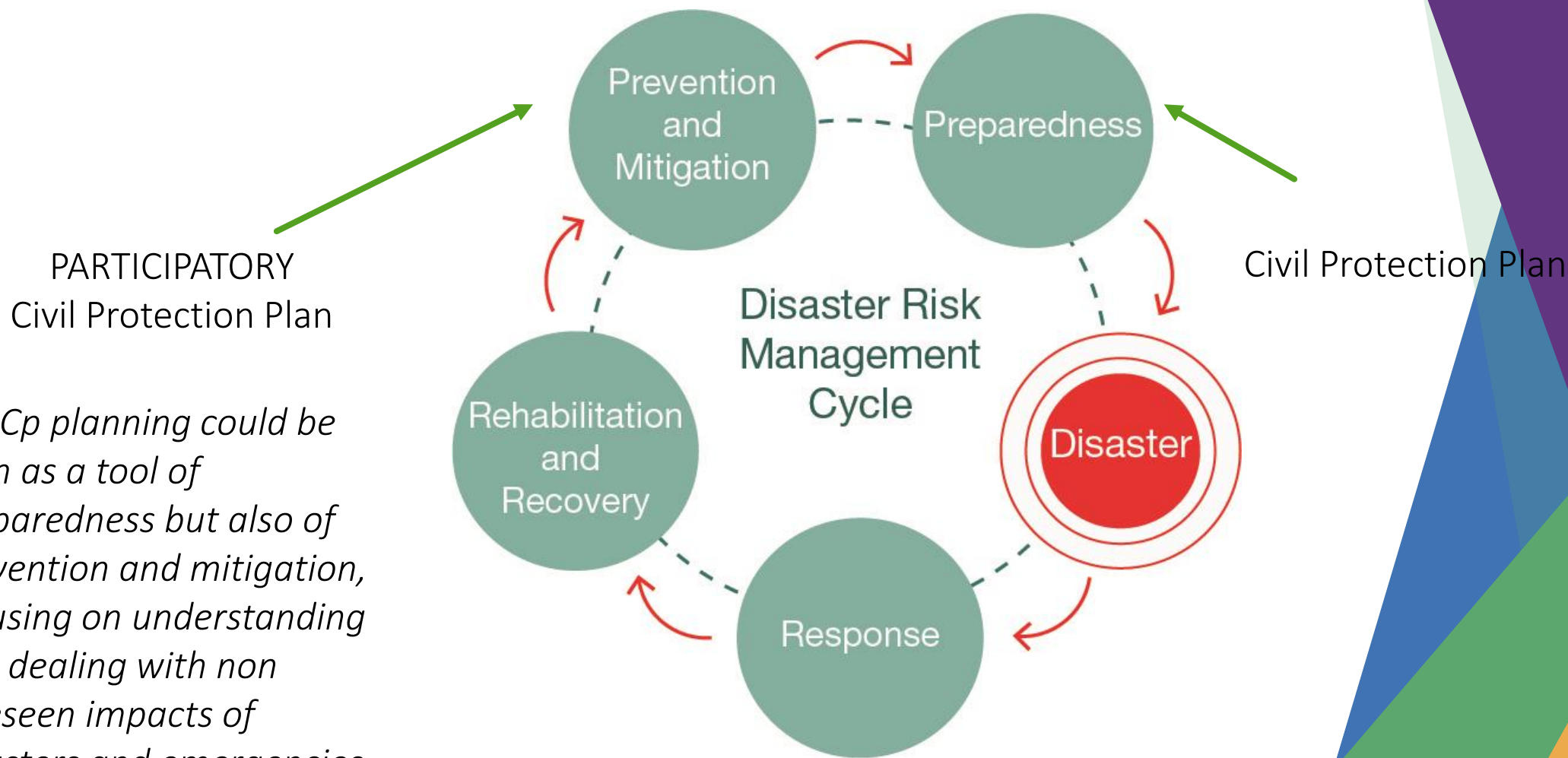
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The participatory approach– WHY?



the Cp planning could be seen as a tool of Preparedness but also of Prevention and mitigation, focusing on understanding and dealing with non foreseen impacts of disasters and emergencies



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The participatory approach– HOW?



Project writing

Stakeholders mapping

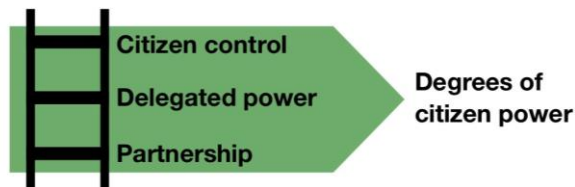
Process Implementation
Participated meetings

Final «return» of the process

Putting indications emerged during the process into the Plan

- *Project writing: what elements will be participated?*
- *Stakeholders mapping → Mapping and activation of stakeholders through territorial meetings*

Arnstein (1969) Ladder of citizen participation



- *Participated meetings with stakeholders, Local Institution and administrators*
- *Collecting information and data*

- *Final return to the stakeholders*
- *Putting the process results in the plan*





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The participatory approach– WHO?

ACTORS



MAYOR, MUNICIPAL
TECHNICIANS AND
POLITICIANS (WORKING
GROUP)



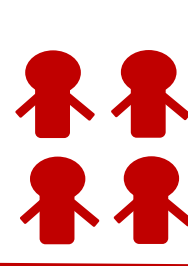
CIVIL PROTECTION EXPERTS
(engineers, territorial planners,
jurists)



FACILITATORS

KEY STAKEHOLDERS

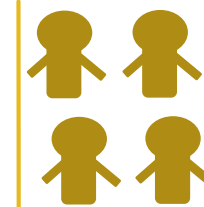
CIVIL
PROTECTION VOLUNTEERS



SCHOOLS AND FAMILIES



MUNICIPALITY

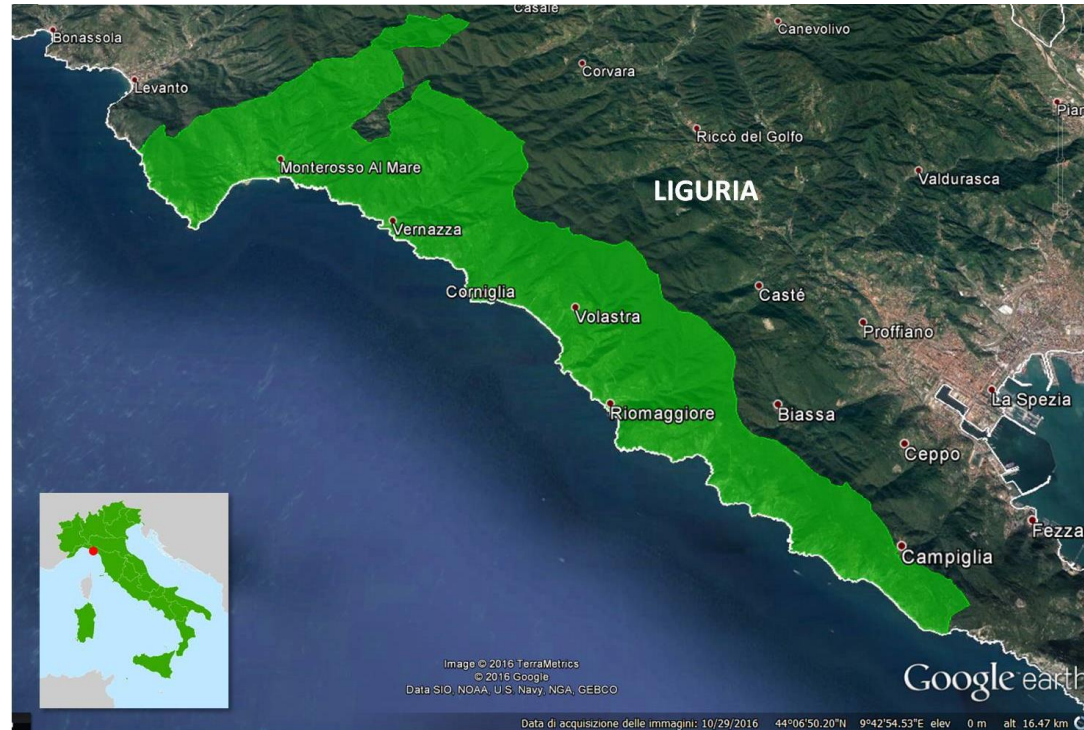
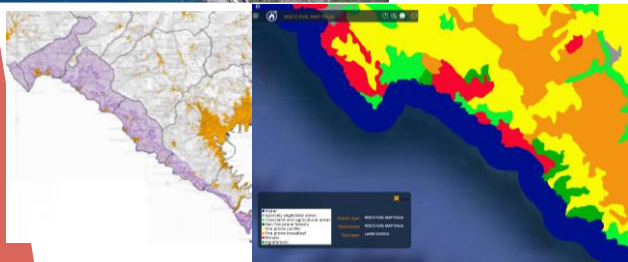
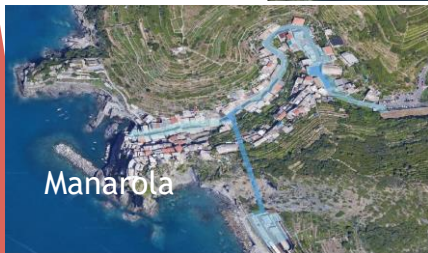
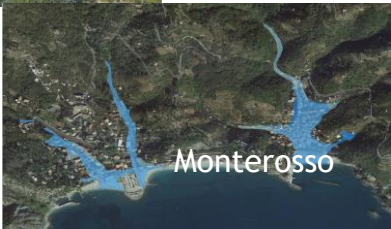


OTHER ASSOCIATIONS
AND USERS

In the past experiences



Pilot Site: 5 lands territory





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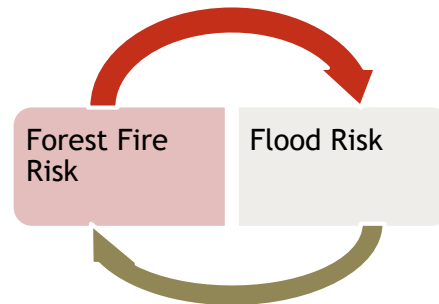
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Pilot Site: 5 lands territory





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Pilot Site: 5 lands territory

Community Stakeholders



MUNICIPALITIES

Civil Protection Volunteers



Practitioners



Schools

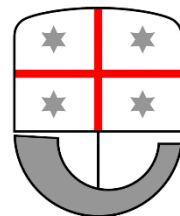


Local Associations



Tour Operators

Institutional Stakeholders



REGIONE LIGURIA



Mappatura degli stakeholders

Pilot Site: 5 lands territory

The Participated process for a civil protection planning will

- Take into account the interaction of flood and fire risk in the context of climate change and improve emergency management, filling existing gaps
- Be able to collect and put together the needs of the local community, institutions and the other economic stakeholders towards a effective collaboration
- Be able to “appreciate” the link between different planning and so Provide indications relating to territorial planning for better risk mitigation governance, increasing territorial resilience





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Thanks for your attention

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