

# EVALUATING IMPACTS FROM STRATEGIC STUDIES - EXPERIENCE FROM UMAN

2<sup>nd</sup> EURAD Annual Event, Astrid Göbel



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## LEADING QUESTIONS

- **What is the impact (of EURAD or your WP) for you?**
- **What are the different types of impacts?**
- **How do you measure impacts (of EURAD or your WP)?**

IMPACT ON WHAT?

## UMAN - OBJECTIVES

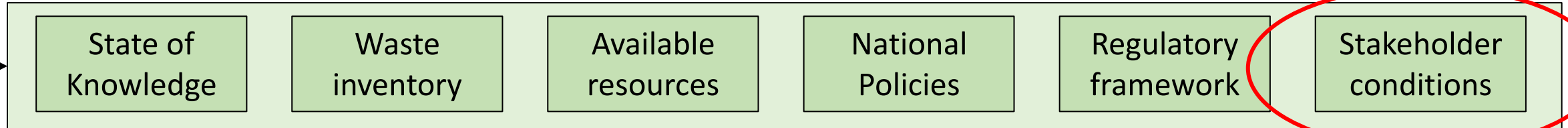
Management of uncertainties is a key issue when developing and reviewing the safety case

- Develop a **common understanding** among different categories of actors (WMOs, TSOs, REs & Civil Society) **on uncertainty management** and how it relates to risk & safety
- In cases where a common understanding is beyond reach, to achieve mutual understanding on **why views** on uncertainties and their management **are different** for various actors
- **Share knowledge/know-how** and discuss common methodological/strategical **challenging issues**
- Identify the **contribution of** past & on-going **R&D projects** to the overall management of uncertainties
- Identify **remaining and emerging issues and needs**

# THE STRUCTURE OF WORK: IMPACT ON INTERACTION

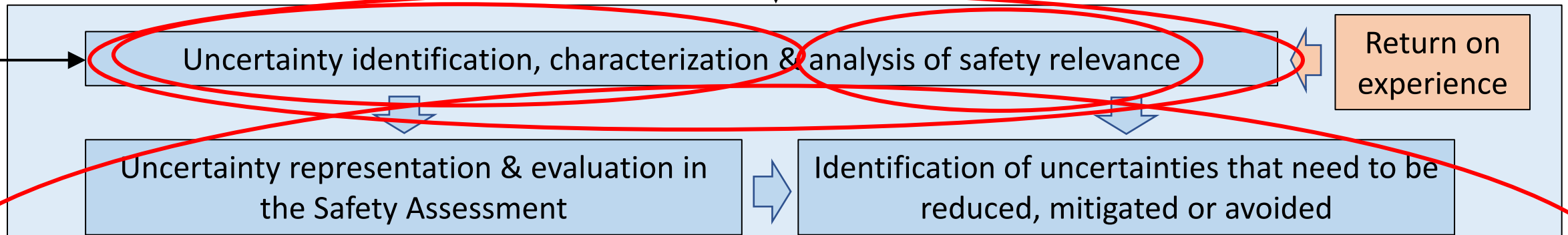
**Task 5: Interactions with a broader group of stakeholders including CS**

*Prevailing circumstances*

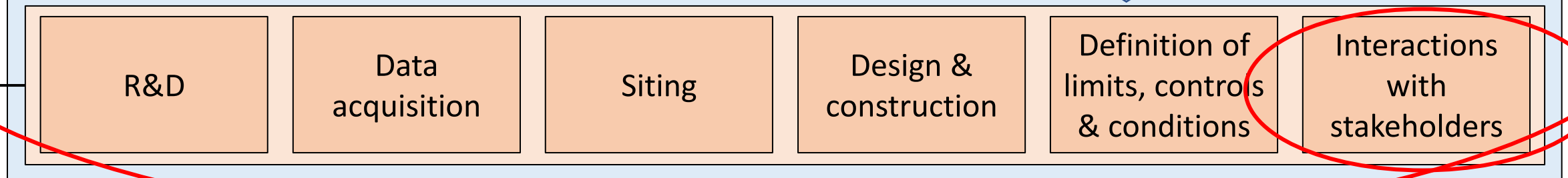


*Programmatic activities*

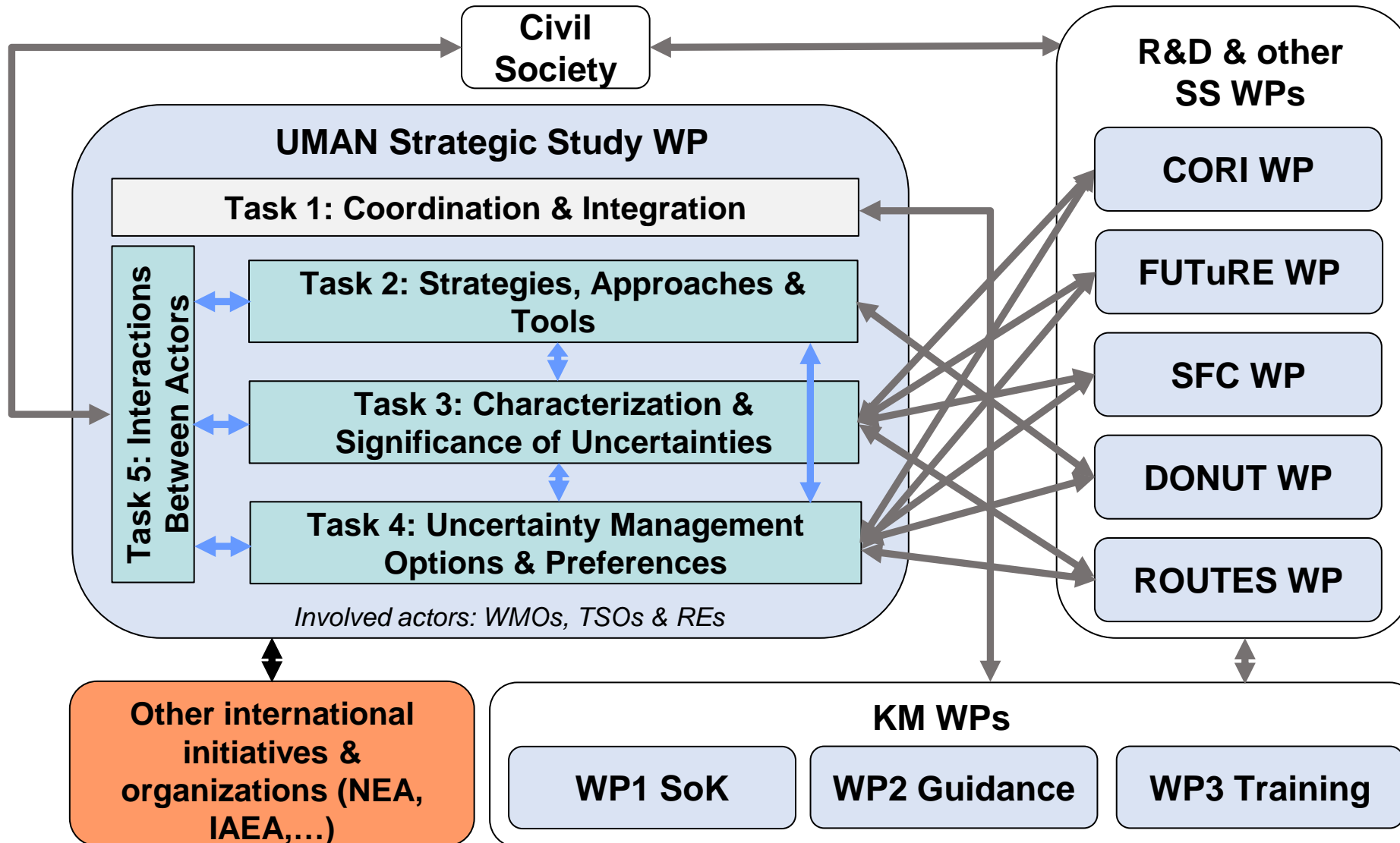
**Subtask 2.2 & 2.3 and 3.1 to 3.5**



**Subtasks 4.2 & 4.3: Uncertainty management options & preferences**



# INTERACTIONS



## PRACTICAL IMPLEMENTATION OF INTERACTION

- Joint workshops with R&D WPs to discuss associated uncertainties, draw attention to view on significances and put into context of technical issues and waste management, in particular disposal
  - WS UMAN-SFC-HITEC, 1<sup>st</sup> Annual event
  - WS UMAN-CORI-ICS, at the 2<sup>nd</sup> Annual event / ongoing
- Involvement of R&D WPs into the UMAN workshops through taking SOTA reports as input, presentations and inviting to discussion (e.g. FUTURE, SFC)
- Presentation of **IAEA activities in Radioactive Waste Characterization** by Ms Felicia Dragolici in the UMAN workshop on uncertainties associated to waste inventory
- Preparing interaction with the KM WPs, e.g. discussion of domain associated uncertainties in the Wiki or contributing review on uncertainties

## HOW CAN WE INFLUENCE IMPACT?

- Quality of results
- Structure and systematic work programme
- Balance (between the colleges)
- Appropriateness of methodology
- Capturing the “right” experts
- Suitable dissemination strategy including contribution to EURAD KM
- Building a network that improves understanding of uncertainties, of the different views and the context in particular considering significance for safety and design throughout the RWM programme
- ....

## WHOM TO ASK / INTEGRATE INTO THE EVALUATION?

- The management (WP board and PMO)
- The people contributing to the WP (experts, coordinators, rapporteurs, CS representatives)
- The targeted user-groups and recipients
- The Chief Scientific Officer and the EA
- ....



## POSSIBLE EXAMPLES FOR EVALUATION QUESTIONS

- Is information and data input accordingly provided and distributed?
  - Is this done in a structured and systematic manner?
  - Do you understand the “why” behind the different arguments?
- Do you consider the WP activities as well-balanced between the colleges?
- Are the methods to interact with and integrate CS appropriate and successful?
  - which / which not?, why?
- Can you clearly describe the benefits you have taken from UMAN?
- ....

## SPOTLIGHT ON THE CURRENT VIEW ON IMPACT

### Conclusions in preparation of the Mid-term review

- Exchanges showed that there is a clear need for and added value of open discussions on the management of uncertainties potentially relevant to safety (including on the contributions of R&D and KM activities to this management and to safety)
- Such exchanges:
  - lead to some kind of “collective intelligence” improving the quality of the outcomes
  - help to establish a mutual understanding of what is considered important for various actors and their preferred approaches
  - make it possible to identify the topics that will be useful to address in the future in order to respond to the concerns and priorities of these actors
  - ... and thus contribute to developing a relationship of trust which is a key factor in a successful RW management programme

## SPOTLIGHTING THE CURRENT VIEW ON IMPACT

A few individual impressions from WP members

There is a strong ambition to harmonise the understanding and application of methods for uncertainty management between all partners and all kinds of actors. REs do a lot of methodological research. Feedback from the application side (DONUT) could be more intensive.

- The role of CS participants in UMAN is not to replace the other categories of actors-researchers, but to check if CS views are duly taken into account in the next stages (current project but also new phases of EURAD).
- UMAN strategic study is an experimental process bringing results on the conditions for ensuring effective information and participation of CS along successive generations to improve uncertainty management strategy (e.g. current thoughts on rolling stewardship).
- UMAN project enables to test a model of interactions between institutional experts and CS representatives in order to share viewpoints and try to reach a common understanding. The ultimate goal is to contribute improving safety.

Be careful: safety significance of topic ≠ safety significance of remaining uncertainty

- Very fruitful for the participants.
- Improved understanding of the uncertainties (significance, evolution, management) and of the “why” – learning from advanced programmes and experts
- Expert involvement is crucial. Experts on a specific topic do not have to be the experts for uncertainty management.
- Distribution to further user groups is essential.
- Interaction with other WPs has well developed.
- Recommendations for future R&D and joint activities is very important now.



**THANKS FOR ATTENTION & DISCUSSION PLEASE**