

MODSafe

Modular Urban Transport Safety and Security Analysis

Final Conference

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State of the Art

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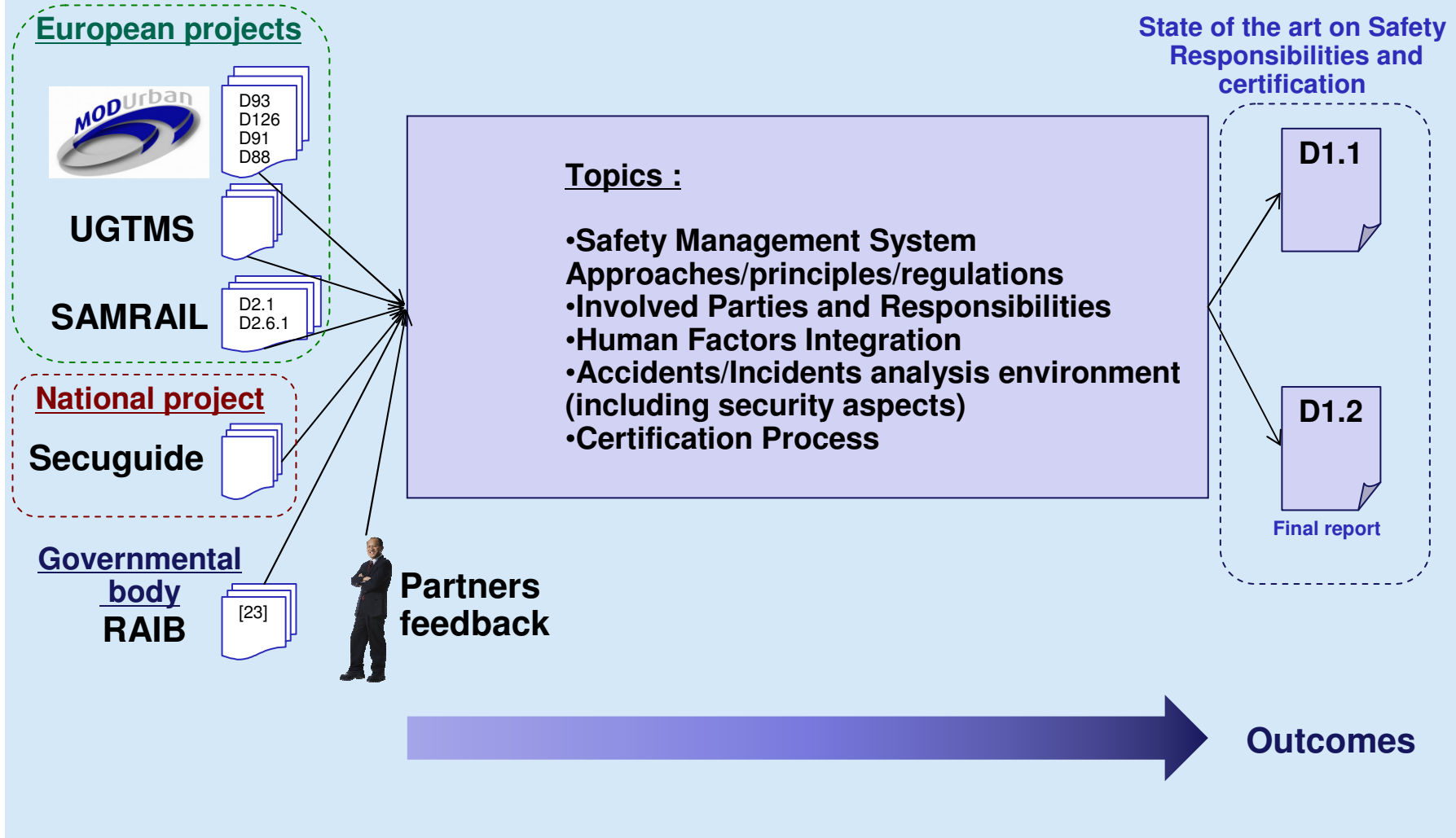
2. Team



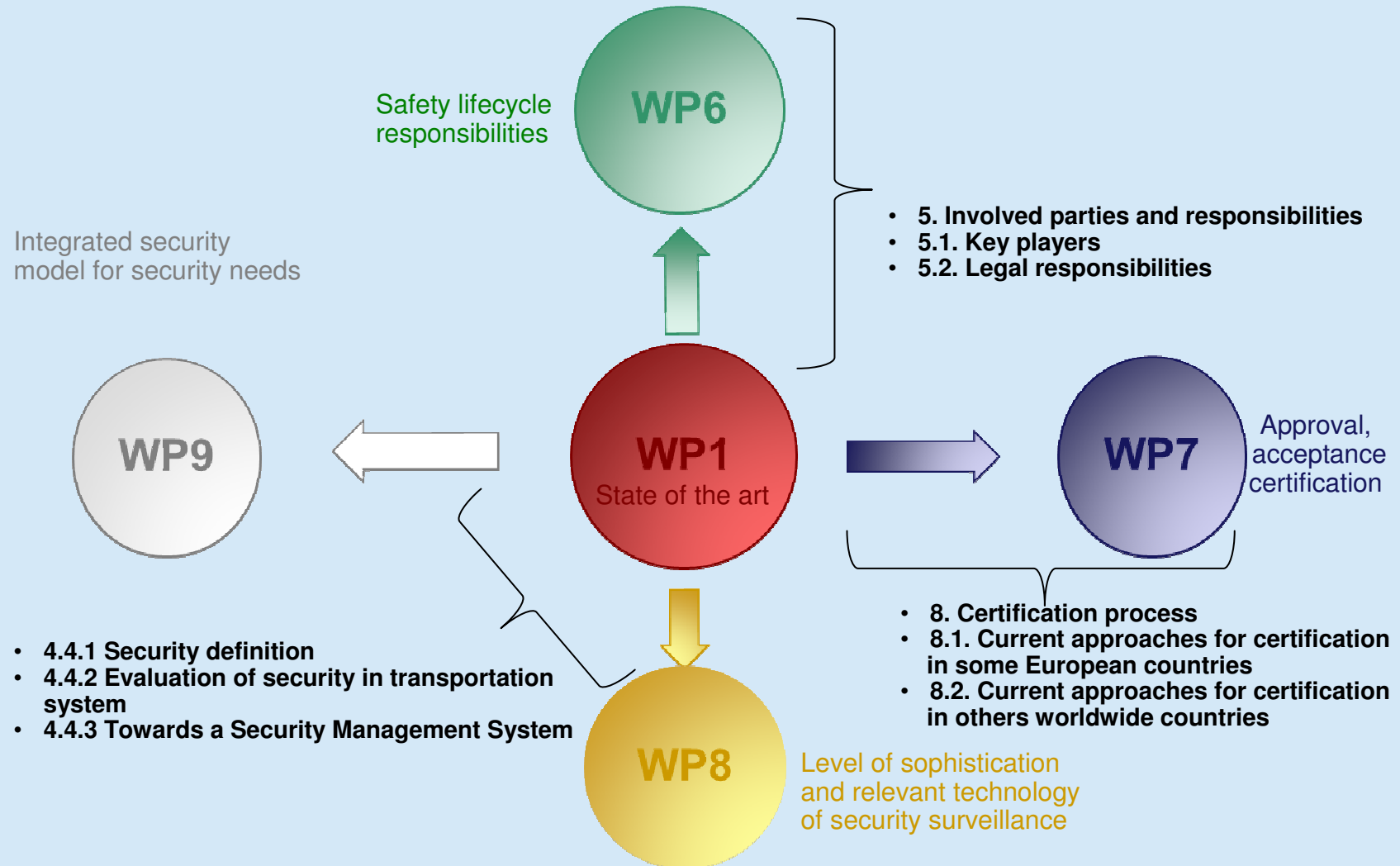
3. Objectives

- To review the state of the art in the Urban Guided field with regard to safety/security
- To compare among these safety approaches and those used in other safety critical industries,
- To identify how the safety approaches are used in a large number of European Member States.

4. Process



4. Process



5. Conclusion

Directive 2008/57/EC on railway interoperability provides an opportunity for excluding urban guided transport system from its scope.

In this context, WP1 aims at presenting state of the art concerning the safety management of Urban Guided System

- Safety/security are essential elements in guided transport field that can not be neglected throughout the system lifecycle.

Notion of risk is shared by security and safety. It is not impossible to see in a near future emerge combined methods using both security and safety aspects.

➡ Towards a Security Management System?

5. Conclusion

- The different key players (manufacturers, operators, certifiers ...) are many and are involved in a lengthy and complex process, that it is needed to harmonize at an European level (relations/shared documents/responsibilities...).
- Beyond the technical aspects, Human Operators have a role in this complex process at individual but also organizational levels and it seems imperative to integrate them early in the lifecycle (Human errors are the major cause of accidents)
- Impact of human errors induced by maintenance activities on the system operation
- Incidents/accidents databases, approval processes are different at various levels (relationship between key players, documents, data...)

➔ Towards a harmonization?