QRA, RAM and Safety Management in DM

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 Goals of JRC: Research in Safety - Risk Assessment - Human Factors

• Goals of EC: Support the political life of the EU by developing regulations/norms/"Directives"



• Directives:

- Seveso Directive (Chemical environments)
 - Almost 20 years old
 - Consolidated
 - Well applied in EU
- Directive 1994/56, 2003/42 (Aviation)
 - Very recent
 - Not yet implemented
 - Not consolidated



- Commonalities of Directives:
 - Methods for Risk Management
 - SMS
 - Reporting to authorities
 - Critical issues
 - Voluntary and confidential Reporting
 - Need to collect data and define consolidated databases



- Other Technological Domains:
 - Automotive Safety
 - Many new systems: ADAS (Advanced Driver Assistance Systems) (Adaptive Cruise Control, Intelligent Speed Adaptation,)
 - User Centred Design/Usability principles well accepted
 - Critical issues:
 - Models and data for driver adaptation
 - Medical Environment
 - Critical Issues:
 - Data collection and reporting
 - Acceptance of SMS and Risk Assessment approaches for improving safety levels

