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FAIR Principles in UN Instruments Information Management

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Abstract

The challenges in designing information systems for UN Instruments implementations (Transnational Declarations, Conventions, Treaties, Frameworks and Directives) based on FAIR Principles (Findable, Accessible, Interoperable, Re-usable) start with phases of requirements engineering for systems, functions, analysis, visualization, and information products specification and analysis. Detailed steps include: collect information, describe (semantic model), negotiate for standardized ontology representation, store, communicate, enable findability, establish interoperability, mathematical (analytical, statistical, artificial intelligence) models, scalability issues, alternatives, consequences and goal reaching control.

In this presentation we touch the most essential fields of UN Instruments mutual coherence and synergies, especially with regard to long-term effects of short-term decisions (or the lack of those).

UN Instruments always support and reinforce stakeholders' interest and efforts. There is a special role that media, broadcasting and journalists have in clarifying obstacles to FAIR principles as well as in moderating stakeholders mutual expectations.

Knowledge Institutions cooperate in innovative Information Management concepts, models, long-term open availability that is necessary for actively contributing to and partnering with public and private domain / NGO initiatives and thus essentially enable transparency in support of participative governance of UN Instruments implementation and goalreaching control.

Gaps in information management become more obvious when checking current practice and corresponding R&D with demands from holistic information management that comprises Textual / Legal / Policy Coherence, Administrative Coherence, Management and Technical Coherence (full semiotic interoperability), Cross-Border Coherence, as well as Coherence with state-of-the-art interdisciplinary Professional Information Management Practices and Standards.

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