

Digital and green transformations – opportunities and challenges

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Outline

- Background
- Digital Technologies – opportunities
- Challenges – need to address SDGs as a whole
- Key issues for regulation and standardization
- Opportunities for regulatory cooperation
- Incorporating work into WP 6

Background - Foundation

- SDG pillars - people, planet, prosperity, partnership and peace – human-centered, prosperity for all
- Key principles - trustworthiness, inclusiveness, sustainability, interoperability, safety and security, and data privacy
- Foundation for standardization

Digital Technologies

- AI – market surveillance, agriculture
- Blockchain – global value chain (agriculture) – traceability
- Internet of things – smart cities – industrial development
- Robotics – manufacturing, health
- 3D printing – construction, manufacturing
- Unmanned aircraft (drones) – conformity assessment

Challenges

- Technological capability
- Governance and quality infrastructure
- Coordination of standardization efforts
- Inclusion of experts from developing economies
- Privacy and personal rights
- Addressing SDGs as whole

Incorporating work into WP 6 - Options

- Establish new set of recommendations
- Develop guideline for standardization for digital and green transformation
- Focus on key aspects in WP Topics

Potential incorporation in WP 6 Topics

- GRM – incorporation of risk technology in AI
- MARS – application of AI to improve surveillance
- START – education on standardization for digital technologies
- GRISI – key considerations for standardization

Potential assistance to developing economies

- Assist in developing regulatory framework and quality infrastructure – need robust strategy
- Assist in specific projects for digital technology application
- Transfer technology from developed economies – use of technology

Conclusion

- Benefits of digital technologies for developing economies can be substantial
- Establish foundation with technology transfer and strategy
- Develop regulatory framework and quality infrastructure
- Participate in standardization efforts
- Use the SDG pillars as guide for development

Thank you!

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