

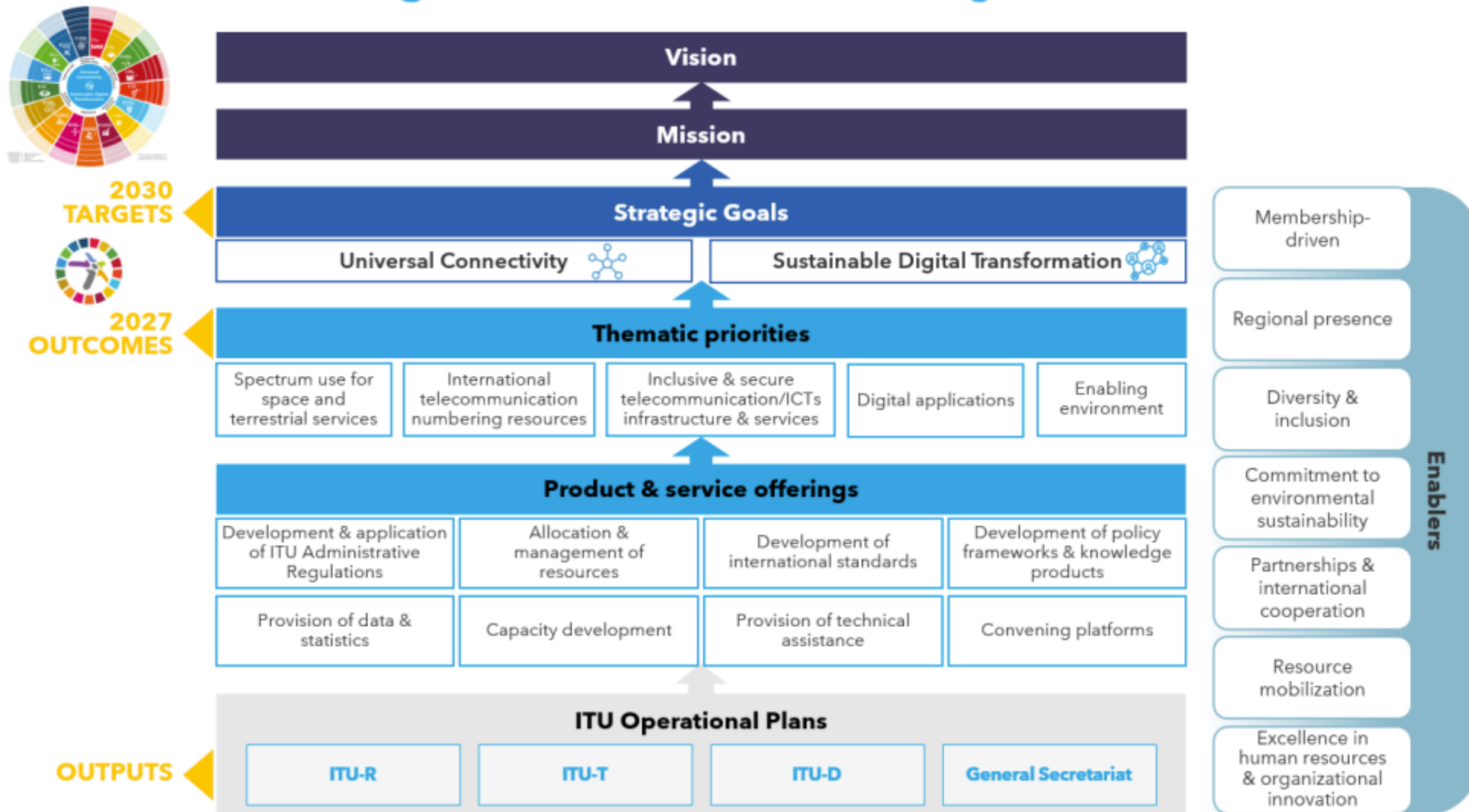


Setting the standard

ITU-T Digital Transformation Initiatives



ITU Strategic Plan 2024-2027: Strategic framework visual



Digital transformation is
the change associated with
integrating digital technologies to
all aspects of society.

It is a **continuous process** that impacts society by changing how resources are obtained, operations are executed and how services are delivered.

Digital transformation enhances

- sustainable economic development**
- innovation and agility in businesses/governments**
- productivity and operational efficiency**
- quality of products and services delivered**
- quality of life and wellbeing of individuals**
- ...**

Implementing digital transformation

Purpose

Ultimate goal of transformation – defines the specific process or service to be improved

Enablers

Methods, tools or approaches that will lead to achievement of objectives and purpose

Success factors

Critical factors impeding/facilitating successful transformation of a process or service

Technology

Specific digital technologies to be adopted and the expertise needed for their adoption

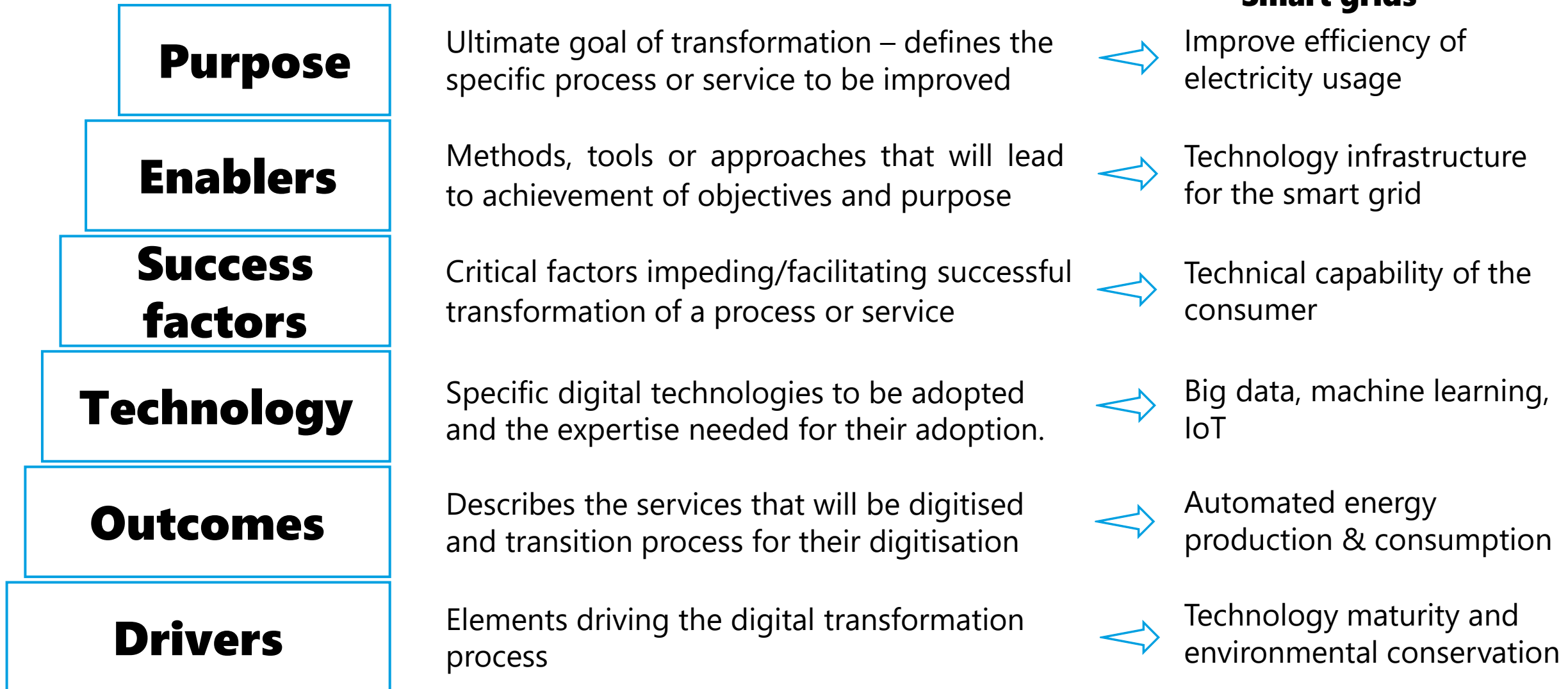
Outcomes

Describes the services that will be digitised and transition process for their digitisation

Drivers

Elements driving the digital transformation process

Example: Smart grids



Success factors for digital transformation

- ✓ availability of funds and resources
- ✓ maturity level of new technologies
- ✓ expertise required for implementation
- ✓ regulations and governance
- ✓ standards

...and others, **factors vary based on purpose** of transformation

Standards are documents providing rules, guidelines, requirements or characteristics that can be used consistently to ensure that materials, products, processes and services are fit for purpose.



Setting the standard

ITU-T Digital Transformation Initiatives: A few examples



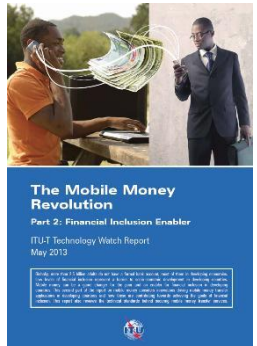
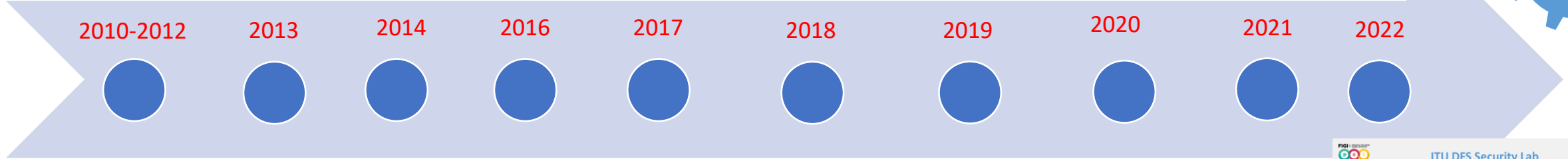
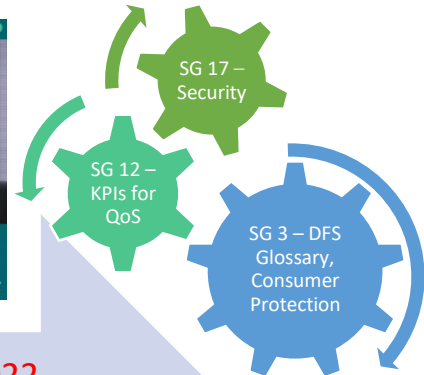


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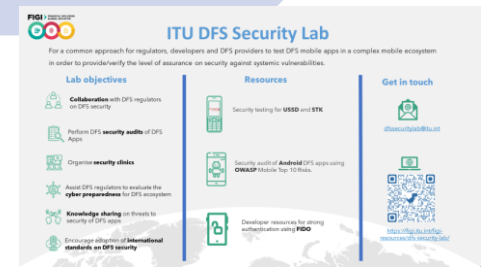
Digital Financial Services for Financial Inclusion



ITU's Digital Financial Services journey



Tech Watch Report Mobile Money



Digital Financial Services Security Lab



Collaboration with regulators to adopt DFS security recommendations



Perform DFS security audits of mobile payment app (USSD, Android and iOS)



Encourage adoption of international standards on DFS security



Organise security clinics



Assist DFS regulators to evaluate the cyber preparedness for DFS ecosystem



Knowledge sharing on threats to security of DFS apps

DC³ Conference

From cryptocurrencies to CBDCs

24 -27 January 2023

<https://itu.int/go/dc3c-02>



An event of the Digital Currency Global Initiative

Organized jointly:





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Smart Mobility



Autonomous & connected vehicles



This initiative harnesses the value of AI in enhancing the safe system approach to road safety, with a focus on low- and middle- income countries, where most of the road fatalities and injuries occur

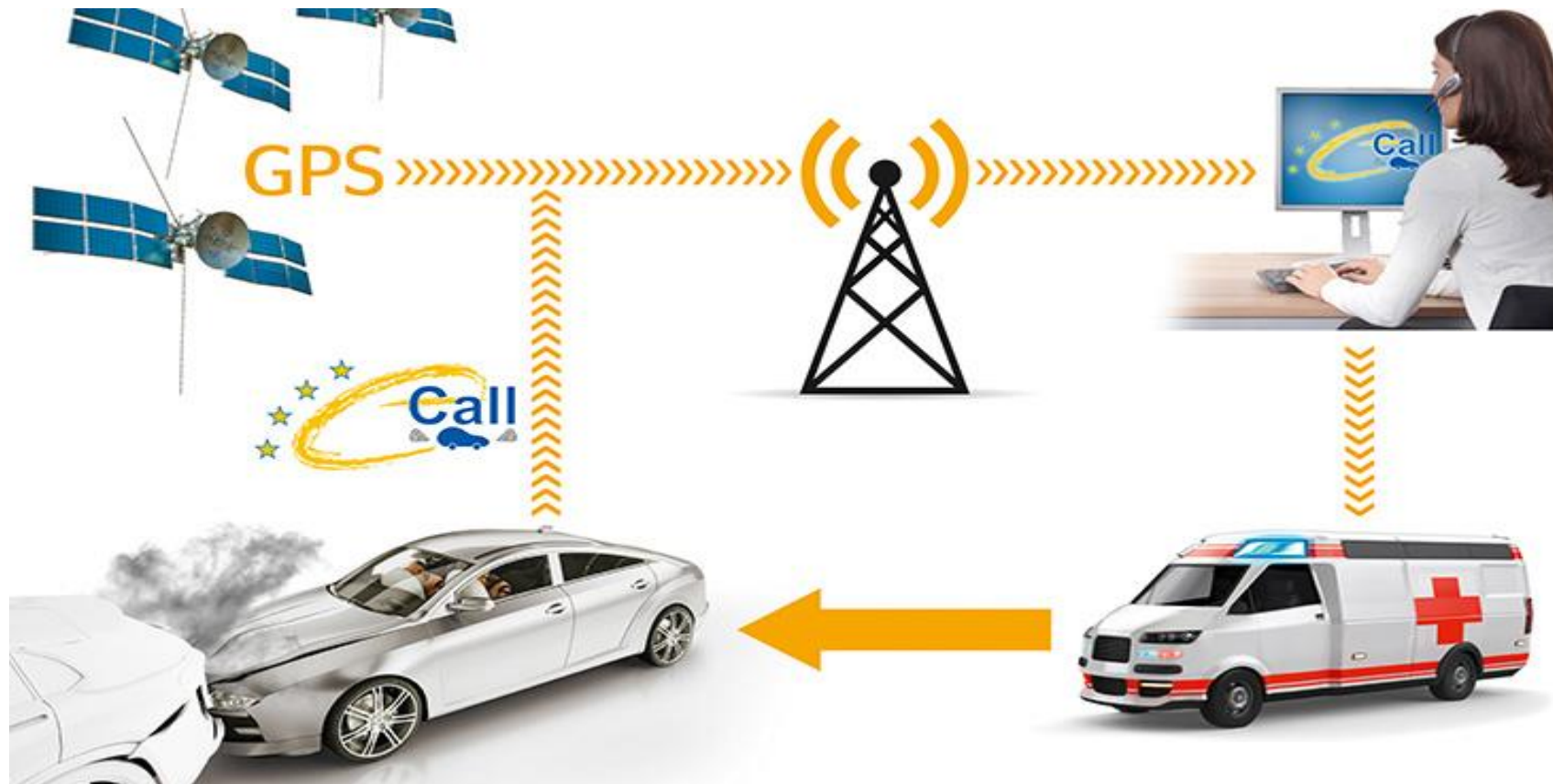


Supports standardization activities for services and applications enabled by AI systems in autonomous and assisted driving*

Vehicular Multimedia

Identifies the need for new vehicular multimedia standards based on space and terrestrial networks integration*

Autonomous & connected vehicles: eCall



Source: [Continental](#) - Automatic Emergency Call

ITU-T P.1140: Speech communication requirements for emergency calls originating from vehicles
Referenced in UN regulation on automatic emergency call system for road traffic accidents (UNECE WP.29)

Future Networked Car Symposium

*Achieving connected,
automated and safe mobility*

13-16 March 2023
13:00-16:00 CET

FNC2023

#ConnectedCar
<https://fnc.itu.int/>



UNECE





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Other Digital Transformation Activities





AI for Health

ITU-WHO Focus Group

- Establish a standardized **benchmarking framework** for the evaluation of AI-based methods for health, supporting diagnosis, triage and treatment decisions
- **Deliverables** include guidance on ethics, regulatory aspects, clinical evaluation, data quality and auditing for 24 health use cases
- **AI Challenges and webinars** to guide priorities and engage practitioners
- **Open Code Initiative** supporting practical implementation
- Coming soon: ***Global Initiative on AI for health***

itu.int/go/fgai4h



World Health
Organization



Digital Agriculture

Working Groups



Working Group on Digital Agriculture Use Cases and Solutions (WG-AS)



Working Group on Data Acquisition and Modelling for digital agriculture (WG-DAM)



Working Group for Mapping and Analyzing AI and IoT standards related Activities in Digital Agriculture (WG-Roadmap)



Working Group on Ethical, Legal, and regulatory Considerations relating to the use of AI for agriculture (WG-ELR)



Working Group on Collaboration and Outreach (WG-CO)



Working Group on Glossary (WG-Gloss)

Co-Chairs:

- Ramy Ahmed Fathy (Egypt)
- Sebastian Bosse (Fraunhofer HHI, Germany)

Topic Groups



TG-Data Science for surface and underground water monitoring



TG-Georeferenced Data Management



TG-Weather modelling and forecasting

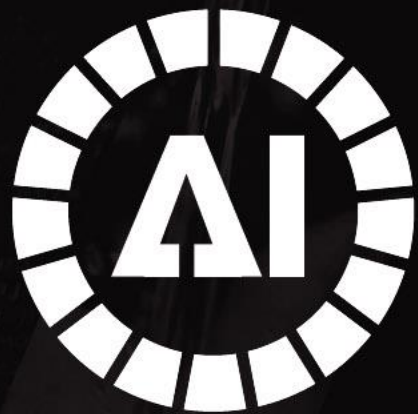


TG-Irrigation strategy and smart water management



TG-Weather modelling and forecasting

ITUEvents



AI for Good

*Accelerating the United Nations
Sustainable Development Goals*

ALL YEAR
ALWAYS **ONLINE**

aiforgood.itu.int



38 UN PARTNERS



Accelerating UN SDGs

Less than 10 years to achieve the
United Nations Sustainable
Development Goals.

AI holds great promise.

