

Architecture for an Internet for everybody

Providing sustainable and affordable access to the Internet to everybody in particular those who cannot afford such access under the current economic constraints of Internet service provisioning

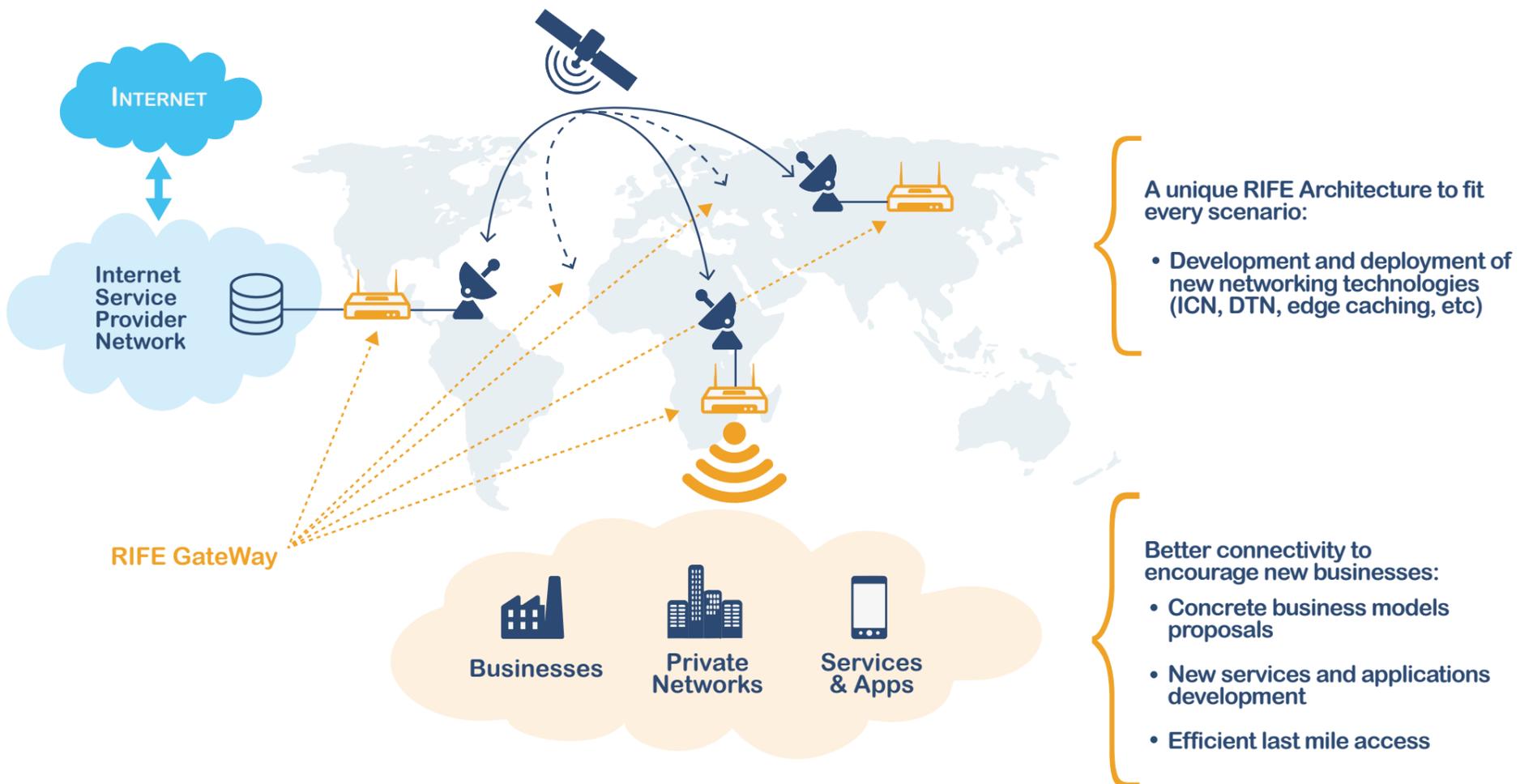
CONCEPT

Create an architecture for an Internet for everybody that meets the challenges of today's technologies limitations:

- Providing affordable price points
- Providing sustainable performance whatever the varying geographical and environmental challenges

OUTCOMES

- Definition of a unifying architecture
- Development of novel dissemination strategies that jointly optimise bandwidth, storage and computation resources available
- A set of service and application functions that will enable full utilisation of the RIFE architecture in real-life settings



BUSINESS MODELS

- Opportunities to become Virtual Network Operators
- Reuse and sale of underutilised infrastructure
- Introduction of payments facilities to allow the sales of additional bandwidth and QoS

TECHNICAL AGENDA

- Starting point: academic research on ICN and DTN
- Research of a new approach combining ICN, DTN and edge caching
- Initial trial deployments to get real users' experience of the Internet for everybody

TARGETS

RIFE touches on a number of areas that go beyond pure networking and Internet-related aspects: given the fundamental role that the Internet plays in modern societies and economies. As digital inclusion is desirable for all nations, developed and developing RIFE's benefits are likely to be international and wide-society.

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CONSORTIUM



RIFE project is funded by the EU's Horizon2020 programme under grant agreement No.: 644663

