RIFe

The vision of RIFE is to address the problem of providing affordable and sustainable access to the Internet by realising an architecture for an Internet for everybody. Enabling access to information and services at economically sustainable price points unmatched by today's technologies.

Project title
Architecture for an Internet for everybody (RIFE)

Duration
1st February 2015 - 31st January 2018

EC Contribution
€ 2'930'626.25
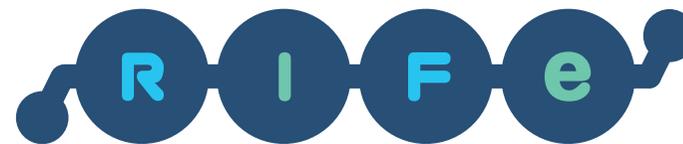
Programme
ICT-2014-1

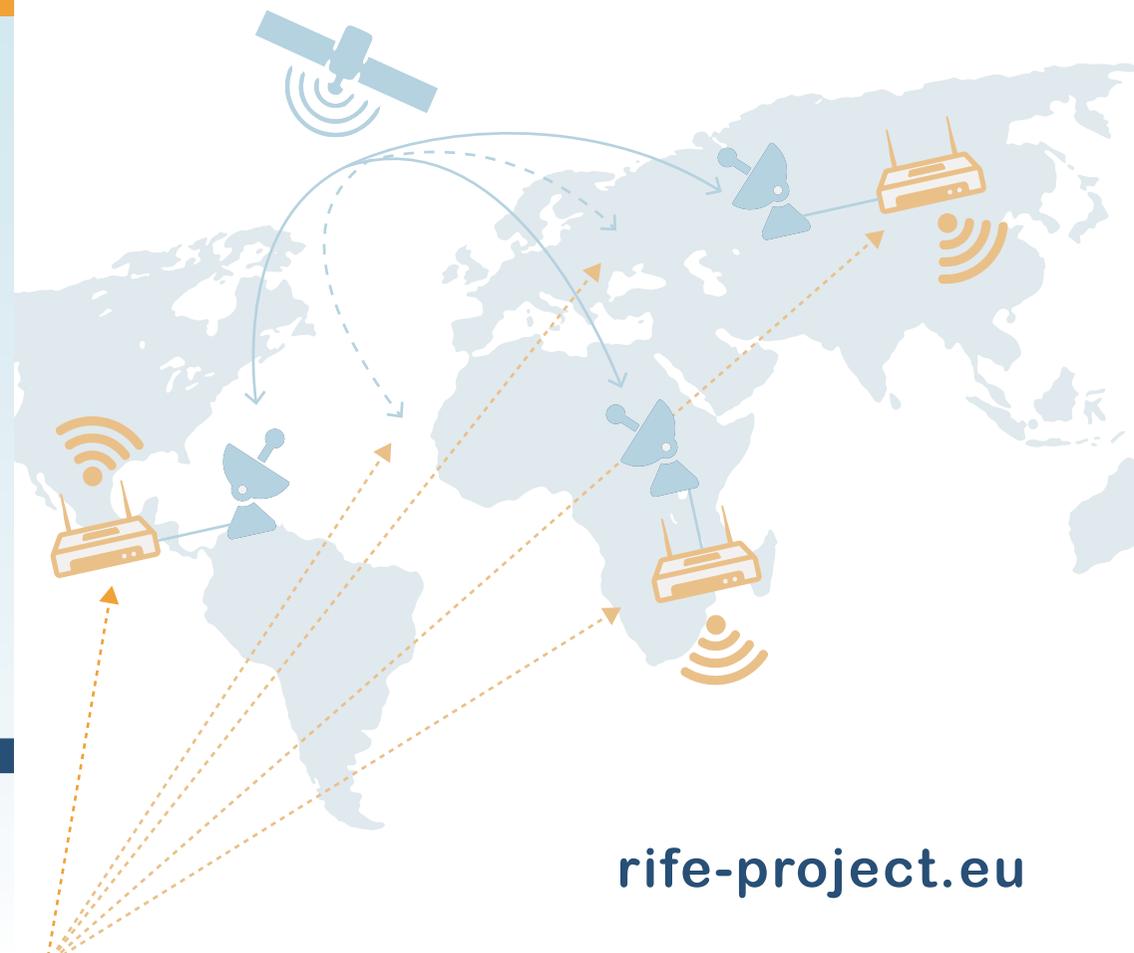**Project coordinator**
Martin Potts, Martel

Consortium

MARTEL innovate

guifi·net

avanti

A! Aalto University

TUM TECHNISCHE UNIVERSITÄT MÜNCHEN

ThalesAlenia Space
A Thales / Finmeccanica Company

INTERDIGITAL

UNIVERSITY OF CAMBRIDGE

rife-project.eu

RIFe

Architecture for an Internet for everybody

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RIFe

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 environmental challenges.
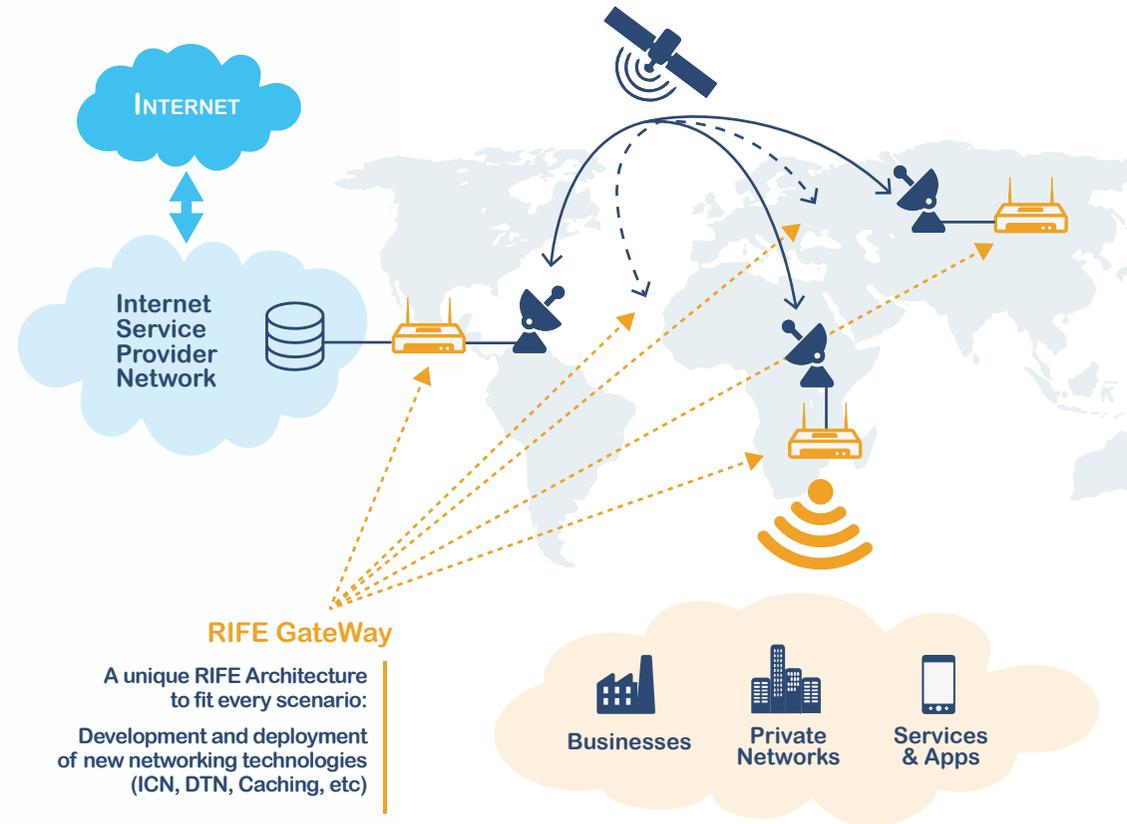
OUTCOMES

- The 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.

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.

Architecture for an Internet for everybody

INTERNET

Internet Service Provider Network

RIFE GateWay

A unique RIFE Architecture to fit every scenario:

Development and deployment of new networking technologies (ICN, DTN, Caching, etc)

Businesses   Private Networks   Services & Apps

BUSINESS MODELS

- Opportunities to become Virtual Network Operators
- Reuse and sale of of underutilised infrastructure
- Introduction of payments facilities allowing 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 caching
- Initial trial deployments to get real users' experience of the Internet for everybody