



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 March 2018

EC Contribution

€ 2'930'626.25

Consortium

Programme

ICT-2014-1

Project coordinator

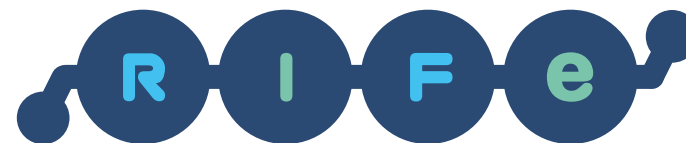
Martin Potts, Martel



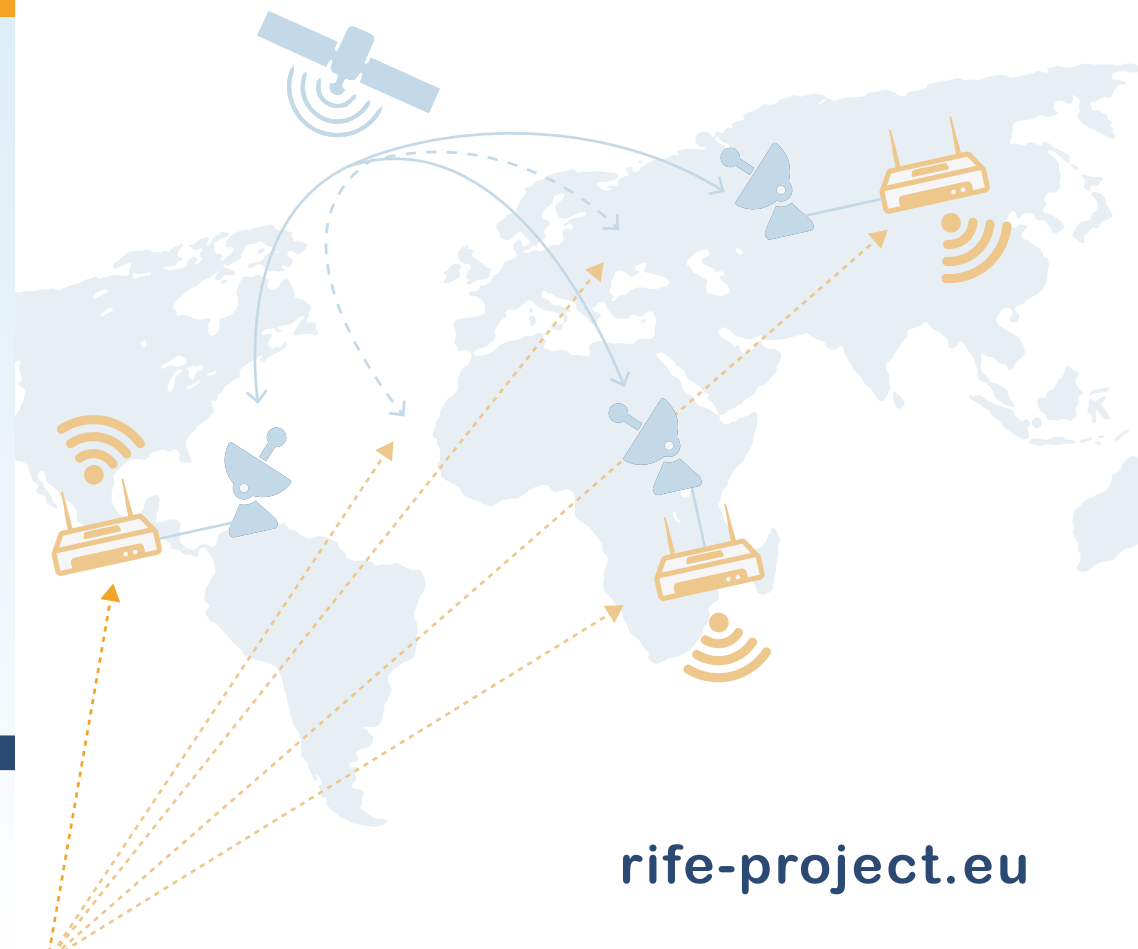
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Architecture for an Internet for everybody



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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

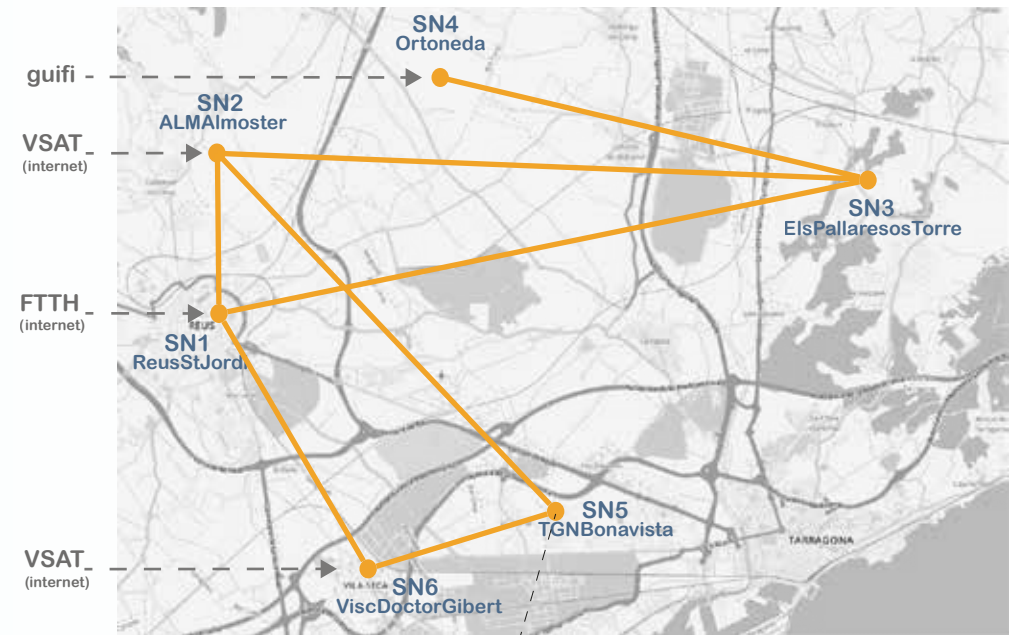
- The definition of a unifying architecture
- Development of novel dissemination strategies that jointly optimise bandwidth, storage and computation resources available
- A set of service and application functions that will enable full utilisation of the RIFE architecture in real-life settings



ACHIEVEMENTS

- Deployed an ICN network with 6 super nodes in 6 sites in the Catalonia region of Tarragona, Spain
- Advanced insights into the suitability of providing cheaper Internet connectivity through IP-over-ICN given that regular operators are often more expensive in provisioning Internet services in remote locations
- Innovated in areas such as surrogate management, multi-casting and edge caching
- Advanced insights into how to stimulate localized service deployments
- Advanced insights into the operational complexity of localised service deployments
- Provided technical guidance to develop the next version of IP-over-ICN

FIELD TRIAL BACKBONE



SUPER NODE

