



architectuRe for an Internet For Everybody

Wyniki

Informacje na temat projektu

RIFE

Identyfikator umowy o grant: 644663

[Strona internetowa projektu](#)

DOI

[10.3030/644663](https://doi.org/10.3030/644663)

Projekt został zamknięty

Data podpisania przez KE

11 Grudnia 2014

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INDUSTRIAL LEADERSHIP - Leadership in enabling and industrial technologies - Information and Communication Technologies (ICT)

Koszt całkowity

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Wkład UE

€ 2 930 626,25

Koordynowany przez
MARTEL GMBH



Switzerland

CORDIS oferuje możliwość skorzystania z odnośników do publicznie dostępnych publikacji i rezultatów projektów realizowanych w ramach programów ramowych HORYZONT.

Odnośniki do rezultatów i publikacji związanych z poszczególnymi projektami 7PR, a także odnośniki do niektórych konkretnych kategorii wyników, takich jak zbiory danych i oprogramowanie, są dynamicznie pobierane z systemu [OpenAIRE](#) .

Rezultaty

[Initial Component and Interface Specifications](#)

Report outlining the initial component architecture of the RIFE platform and the enabling interfaces between them, as an outcome of T2.3. This initial specification will serve as a starting point for the implementation work in WP3 and will be refined through feedback from the implementation and trials.

[Final set of application functions](#)

Document that describes the prototype with the final set of application functions

[RIFE Standardization Activity](#)

This document will report progress and activity in the relevant standardization bodies

[Dissemination and Communication Plan](#)

This report will include details on the dissemination plan that will be followed during the execution of the project.

[Initial set of application functions](#)

Document describing the initial set of application functions, developed in T3.7

[Exploitation Plan \(version 2\)](#)

This document will provide a strategic plan for the commercial exploitation of the RIFE concept at national, European and international level

[Final Report on Technology Validation](#)

Report showcasing the results from the final technology validation including the deployment trial.

[Exploitation Plan \(version 1\)](#)

This document will provide a strategic plan for the commercial exploitation of the RIFE concept at national, European and international level

[Initial platform design and set of dissemination strategies](#)

Document describing the initial set of dissemination strategies, combining the results of T3.2 to T3.6 into platform design defined in T3.1

[Report on Socio-Economic Validation](#)

Report providing the detailed socio-economic evaluation results.

[Final Component and Interface Specifications](#)

Report outlining the final set of specifications, based on the feedback from the implementation work in WP3 and the initial evaluations in WP4. These final specifications will serve as a blueprint for exploitable RIFE platforms.

[1st technical progress report](#)

This deliverable is a summary of the technical achievements made in the project from M1 - M9.

[Usage Scenarios & Requirements](#)

Report outlining the usage scenarios in T2.1 and the requirements derived from them in T2.2

[Final platform design and set of dissemination strategies](#)

Document that describes the integrated prototype with the final set of dissemination strategies ready for deployment in Phase 2 and 3 of WP4.3.

[architectuRe of an Internet For Everybody \(RIFE\) document \(version 2\)](#)

Updated version of D5.7 with added outcome and achievements.

[Dissemination Report \(version 1\)](#)

This report lists information on all dissemination actions throughout the duration of the project. All meeting agendas, presentations and list of participants will also be included.

[First Report on Technology Validation](#)

Report defining our chosen evaluation scenarios and metrics as well as showcasing the results from the intermediate technology validation using both the simulation and emulation platform.

[architectuRe of an Internet For Everybody \(RIFE\) document \(version 1\)](#)

This project summary will provide a public description of the project that includes its main goals, the key issues being addressed by the project, the technical approach taken, and the final outcome and achievements. This first version will focus on the objectives and vision.

[Final Report](#)

This deliverable is a publishable summary of the project achievements from M1 - M38.

[Project Presentation](#)

This deliverable will be a public description of the project in terms of main goals, key issues technical approach and achievements. It will be intended for publication on the Websites of the Commission and the project.

[Dissemination Report \(version 2\)](#)

This report lists information on all dissemination actions throughout the duration of the project. All meeting agendas, presentations and list of participants will also be included.

[RIFE Standardization Survey](#)

This document will identify relevant standardization bodies/activities related to the RIFE concept.

Websites, patent fillings, videos etc. (3)

[architectuRe of an Internet For Everybody \(RIFE\) leaflet and poster \(version 1\)](#)

This promotional presentation will disseminate the objectives, concepts and vision of RIFE.

[architectuRe of an Internet For Everybody \(RIFE\) leaflet and poster \(version 2\)](#)

This promotional presentation will disseminate public results, outcomes and findings from RIFE research.

[Public & Internal Web Site](#)

A Website dedicated to the project will be developed. the website will contain information on the project, the consortium, news, public results, upcoming events etc. A restricted internal section of the webiste will also be available for document shering purposes among partners.

Publikacje

Peer reviewed articles (6)

[Exploiting the Power of Multiplicity: A Holistic Survey of Network-Layer Multipath](#)

Autorzy: Junaid Qadir, Anwaar Ali, Kok-Lim Alvin Yau, Arjuna Sathaseelan, Jon Crowcroft

Opublikowane w: IEEE Communications Surveys & Tutorials, Numer 17/4, 2015, Strona(/y) 2176-2213, ISSN 1553-877X

Wydawca: Institute of Electrical and Electronics Engineers

DOI: 10.1109/COMST.2015.2453941

[Wi-Stitch](#)

Autorzy: Aravindh Raman, Nishanth Sastry, Arjuna Sathiaselan, Jigna Chandaria, Andrew Secker

Opublikowane w: ACM SIGCOMM Computer Communication Review, Numer 47/5, 2017, Strona(/y) 73-78, ISSN 0146-4833

Wydawca: ACM SIGCOMM

DOI: 10.1145/3155055.3155067

[Alternative Networks: Toward Global Access to the Internet for All](#)

Autorzy: Jose Saldana, Andres Arcia-Moret, Arjuna Sathiaselan, Bart Braem, Ermanno Pietrosemoli, Marco Zennaro, Javier Simo-Reigadas, Ioannis Komninos, Carlos Rey-Moreno

Opublikowane w: IEEE Communications Magazine, Numer 55/9, 2017, Strona(/y) 187-193, ISSN 0163-6804

Wydawca: Institute of Electrical and Electronics Engineers

DOI: 10.1109/MCOM.2017.1600663

[Cloudy in guifi.net: Establishing and sustaining a community cloud as open commons](#)

Autorzy: Roger Baig, Felix Freitag, Leandro Navarro

Opublikowane w: Future Generation Computer Systems, 2018, ISSN 0167-739X

Wydawca: Elsevier BV

DOI: 10.1016/j.future.2017.12.017

[Towards an Information Centric Network Architecture for Universal Internet Access](#)

Autorzy: Dirk Trossen, Arjuna Sathiaselan, Jörg Ott

Opublikowane w: ACM SIGCOMM Computer Communication Review, Numer 46/1, 2016, Strona(/y) 44-49, ISSN 0146-4833

Wydawca: ACM DL

DOI: 10.1145/2875951.2875959

[Practical opportunistic content dissemination performance in dense network segments](#)

Autorzy: Teemu Kärkkäinen, Mika Välimaa, Shourov Kumar Roy, Esa Hyytiä, Jörg Ott

Opublikowane w: Computer Communications, Numer 123, 2018, Strona(/y) 65-80, ISSN 0140-3664

Wydawca: Elsevier BV

DOI: 10.1016/j.comcom.2018.03.013

Conference proceedings (20)



[Pro-Diluvian - Understanding Scoped-Flooding for Content Discovery in Information-Centric Networking](#)

Autorzy: Liang Wang, Suzan Bayhan, Jörg Ott, Jussi Kangasharju, Arjuna Sathiaselalan, Jon Crowcroft

Opublikowane w: Proceedings of the 2nd International Conference on Information-Centric Networking - ICN '15, 2015, Strona(/y) 9-18, ISBN 9781-450338554

Wydawca: ACM Press

DOI: 10.1145/2810156.2810162

[Octopus - A Zero-Cost Architecture for Stream Network Monitoring](#)

Autorzy: Andres Arcia Moret, Jesús Gómez, Arjuna Sathiaselalan

Opublikowane w: Proceedings of the 2015 Annual Symposium on Computing for Development - DEV '15, 2015, Strona(/y) 71-72, ISBN 9781-450334907

Wydawca: ACM Press

DOI: 10.1145/2830629.2835218

[Pushing the Frontier: Exploring the African Web Ecosystem](#)

Autorzy: R, Fanou, G. Tyson, P. Francois, A. Sathiaselalan

Opublikowane w: 2016, ISBN 978-1-4503-4143-1

Wydawca: ACM DL

DOI: 10.1145/2872427.2882997

Open and regionalised spectrum repositories for emerging countries

Autorzy: Andres Arcia Moret , Arjuna Sathiaselalan, Marco Zenaro, Freddy Rondon, Ermanno Pietrosemoli, David Johnson

Opublikowane w: ACM DL, 2016, Strona(/y) 13-18, ISBN 978-1-4503-4423-4

Wydawca: ACM CL

[Impact of duration on active video testing](#)

Autorzy: Saba Ahsan, Varun Singh, Jörg Ott

Opublikowane w: Proceedings of the 26th International Workshop on Network and Operating Systems Support for Digital Audio and Video - NOSSDAV '16, 2016, Strona(/y) 1-6, ISBN 9781-450343565

Wydawca: ACM Press

DOI: 10.1145/2910642.2910651

Making Community Networks economically sustainable, the guifi.net experience

Autorzy: Roger Baig, Lluís Dalmau, Ramon Roca, Leandro Navarro, Felix Freitag, Arjuna Sathiaselalan

Opublikowane w: 2016, Strona(/y) 31-36, ISBN 978-1-4503-4423-4

Wydawca: ACM

[Does the Internet Deserve Everybody?](#)

Autorzy: Yehia Elkhatib, Gareth Tyson, Arjuna Sathiaselalan

Opublikowane w: Proceedings of the 2015 ACM SIGCOMM Workshop on

Ethics in Networked Systems Research - NS Ethics '15, 2015, Strona(/y) 5-8, ISBN 9781-450335416

Wydawca: ACM Press

DOI: 10.1145/2793013.2793018

[Exploring the role of smart data pricing in enabling affordable internet access](#)

Autorzy: Arjuna Sathiaselan, Gareth Tyson, Soumya Sen

Opublikowane w: 2015 IEEE Conference on Computer Communications Workshops (INFOCOM WKSHPS), 2015, Strona(/y) 558-563, ISBN 978-1-4673-7131-5

Wydawca: IEEE

DOI: 10.1109/INFCOMW.2015.7179444

[Assisted network discovery for next generation wireless networks](#)

Autorzy: Andres Arcia-Moret, Arjuna Sathiaselan, Antonio Araujo, Jose Aguilar, Laudin Molina

Opublikowane w: 2016 13th IEEE Annual Consumer Communications & Networking Conference (CCNC), 2016, Strona(/y) 800-801, ISBN 978-1-4673-9292-1

Wydawca: IEEE

DOI: 10.1109/CCNC.2016.7444884

Intelligent Network Discovery for Next Generation Community Wireless Networks

Autorzy: Andres Arcia-Moret, Antonio Araujo, Jose Aguilarz, Laudin Molinax, Arjuna Sathiaselan

Opublikowane w: 2016 12th Annual Conference on Wireless On-demand Network Systems and Services (WONS), 2016, ISBN 978-3-9018-8279-1

Wydawca: IEEE Explore

[Study of spectrum scarcity and community wireless network operators in India](#)

Autorzy: Bhavya Dummi Omkarappa, Jaume Benseny Quintana, Heikki Hammainen

Opublikowane w: 2017 Internet of Things Business Models, Users, and Networks, 2017, Strona(/y) 1-5, ISBN 978-1-5386-3197-3

Wydawca: IEEE

DOI: 10.1109/CTTE.2017.8260995

[Opportunistic content dissemination performance in dense network segments](#)

Autorzy: Teemu Kärkkäinen, Mika Välimaa, Esa Hyytiä, Jörg Ott

Opublikowane w: Proceedings of the Eleventh ACM Workshop on Challenged Networks - CHANTS '16, 2016, Strona(/y) 1-6, ISBN 9781-450342568

Wydawca: ACM Press

DOI: 10.1145/2979683.2979692

[Here&now - data-centric local social interactions through opportunistic networks: demo](#) 

Autorzy: Teemu Kärkkäinen, Paul Houghton, Lorenzo Valerio, Andrea Passarella, Jörg Ott

Opublikowane w: Proceedings of the Eleventh ACM Workshop on Challenged Networks - CHANTS '16, 2016, Strona(/y) 37-38, ISBN 9781-450342568

Wydawca: ACM Press

DOI: 10.1145/2979683.2979700

[Connecting the unconnected 10% of New Zealanders by 2025: Is a MahiTahi approach possible?](#) 

Autorzy: Maria Villapol, William Liu, Jairo A. Gutierrez, Luca Chiaraviglio, Arjuna Sathiaselalan, Jinsong Wu, Antoine Bagula, Junaid Qadir, Jian Song, Wenjun Zhang, Mark A. Gregory, Ji Wu

Opublikowane w: 2017 27th International Telecommunication Networks and Applications Conference (ITNAC), 2017, Strona(/y) 1-7, ISBN 978-1-5090-6796-1

Wydawca: IEEE

DOI: 10.1109/ATNAC.2017.8215429

[Peer provided cell-like networks built out of thin air](#) 

Autorzy: Andres Arcia-Moret, Zafar Gilani, Arjuna Sathiaselalan, Jon Crowcroft

Opublikowane w: 2017 14th IEEE Annual Consumer Communications & Networking Conference (CCNC), 2017, Strona(/y) 369-372, ISBN 978-1-5090-6196-9

Wydawca: IEEE

DOI: 10.1109/CCNC.2017.7983137

[On Content Indexing for Off-Path Caching in Information-Centric Networks](#) 

Autorzy: Suzan Bayhan, Liang Wang, Jörg Ott, Jussi Kangasharju, Arjuna Sathiaselalan, Jon Crowcroft

Opublikowane w: Proceedings of the 2016 conference on 3rd ACM Conference on Information-Centric Networking - ACM-ICN '16, 2016, Strona(/y) 102-111, ISBN 9781-450344678

Wydawca: ACM Press

DOI: 10.1145/2984356.2984372

Bottleneck analysis of the mobile Internet diffusion in Emerging Markets

Autorzy: J. Benseny, B. Finley, H. Hämmäinen

Opublikowane w: 27th European Regional Conference, 2016

Wydawca: 27th European Regional Conference of the International Telecommunications

[Could we Fit the Internet in a Box?](#) 

Autorzy: Gareth Tyson, Arjuna Sathiaselalan, Jörg Ott

Opublikowane w: 2015, Strona(/y) 21-30

Wydawca: Springer International Publishing

DOI: 10.1007/978-3-319-25043-4_3

Composable Distributed Mobile Applications and Services in Opportunistic Networks

Autorzy: J. Ott, C. Papadaki, T. Kärkkäinen

Opublikowane w: IEEE WoWMoM, Chania, Greece, June 2018., 2018

Wydawca: IEEE WoWMoM

[Value network analysis in a low-cost and affordable internet](#) 

Autorzy: Jaume Benseny, Heikki Hammainen

Opublikowane w: 2016 European Conference on Networks and Communications (EuCNC), 2016, Strona(/y) 148-152, ISBN 978-1-5090-2893-1

Wydawca: IEEE

DOI: 10.1109/EuCNC.2016.7561022

Book chapters (2)

Chapter 3. A Commons-oriented Framework for Community Networks

Autorzy: L. Navarro, F. Freitag, R. Baig, R. Roca

Opublikowane w: Annual Report of the UN IGF Dynamic Coalition on Community Connectivity, 2016, ISBN 978-85-63265-75-3

Wydawca: Internet Governance Forum

Chapter 4. Efficient Collaboration between Government, Citizens and Enterprises in Commons

Autorzy: L. Navarro, F. Freitag, E. Dimogerontakis, R. Baig, R. Roca, R. Lo Cigno, L. Maccari, P. Antoniadis, M. Michalis, M. Dulong de Rosnay, F. Tréguer

Opublikowane w: Annual Report of the UN IGF Dynamic Coalition on Community Connectivity, 2016, ISBN 978-85-63265-75-3

Wydawca: Internet Governance Forum

Other (1)

Inferring network infrastructural behaviour during disasters

Autorzy: Z. Giliani, J. Cerowcroft, V. Pejovic

Opublikowane w: IEEE CCNC 2016, 2016

Wydawca: IEEE CCNC

Permalink: <https://cordis.europa.eu/project/id/644663/results/pl>

European Union, 2025

