Hybrid Radio everywhere for everyone

Wyniki

Informacje na temat projektu

HRadio

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10.3030/761813

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

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€ 3 248 600,31

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€ 2 953 370,88

Koordynowany przez
INTERUNIVERSITAIR MICRO-ELECTRONICA CENTRUM Belgium

Projekt zamknięty

Data podpisania przez KE
14 Czerwca 2017

Data rozpoczęcia
1 Września 2017

Data zakończenia
30 Kwietnia 2020

Ten projekt został przedstawiony w...
Rezultaty

Documents, reports (18)

**Data management plan**
The data management plan will reflect the project’s reflections on data management. (IMEC – M6 + updates).

**Piloting user scenarios**
This deliverable will contain the output of task 4.1, with a description of the user scenarios that are to be developed for the pilot activities.

**Pilot execution and evaluation plan**
Defines an evaluation plan for the pilots, including a calendar of actions, a set of research methods and techniques, and the list of metrics and indicators to be tracked.

**Standardisation plan and report**
The first version of this deliverable will capture the actions planned by the consortium to standardize, help finalize emerging standards, and contribute features that the project needs to relevant standardisation groups. Initial contributions to standards will be reported as well. The final version will report on contributions made to standards throughout the life of the project. It will update the action plan to list contributions that partners plan after the end of the project.

**Initial User and system requirements**
Based on the technical evaluation of the selected HRADIO user scenarios, this deliverable will document the 1st iteration of the HRADIO user and system requirements collected in task 2.4.

**User evaluation report**
This deliverable will contain a report of the user evaluations of the HRADIO user scenarios. A result of Task 2.3. It will also document in detail the research in novel hybrid radio user scenarios (task 2.1)

Cross-platform client library for distributed communication and privacy platform
The initial version of components and interface definitions of the HRADIO distributed communication and privacy platform. This will be updated in M17, implementing new features as well as changes and new requirements from the 1st pilot phase. Finally a last update in M25 will include all the developments from pilot phase 2 and will be the system used in the last pilot phase.

Manual for project collaboration
The manual for project collaboration will serve as a guide for all project partners ensuring work in a coherent way. This includes risk management procedures, decision procedures, document handling, reporting, reviews, quality assurance plan etc. The manual will be updated regularly during the project. (IMEC – M1 + updates)

Final user and system requirements
With feedback from the 1st pilot execution phase (M16) and lessons learned during the implementation phase in the 1st half of the project, D2.4 will be updated to this deliverable and will contain the final HRADIO user and system requirements.

Report on user interfaces and integrations for international pilot 2
This deliverable will provide a report of the preparations for the second intermediate pilot activities, including user interface mock-ups, implemented user interface description and specifications, and a report on the integration between user interfaces and the technical components.

Dissemination and communication plan and report
The first version of this deliverable in M2 will describe internal and external communication procedures, style guidelines and list events that project partners plan to attend during the first review period. This plan will be updated in M15 based on the then current status of the project and on feedback received. The M15 and M30 versions will also report on dissemination activities.

Report on final user interfaces and integrations
This deliverable will provide a report of the preparations for the final pilot activities, including user interface mock-ups, implemented user interface description and specifications, and a report on the integration between user interfaces and the technical components.

report on user interfaces and integrations for intermediate pilot 1

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This deliverable will provide a report of the preparations for the first intermediate pilot activities, including user interface mock-ups, implemented user interface description and specifications, and a report on the integration between user interfaces and the technical components.

**HRADIO overall System architecture**

The 1st version of D3.1 includes a state of the art assessment of available technologies and standards in the hybrid radio field, as well as a first description of the overall system architecture, initial component and interface definitions. This deliverable will receive an update in M25 with the finalised version of the HRADIO system architecture.

**HRADIO mobile and HTML client API implementations**

The initial version of this deliverable will be the 1st implementation of the HRADIO client APIs for hybrid radio services. This version will cover the basic hybrid use cases and will form the basis of further developments. This deliverable will receive its 1st update in M17 with the new features, requirements and changes from the 1st pilot phase. Finally a last update in M25 will include all the developments from pilot phase 2 and will be the system used in the last pilot phase.

**HRADIO User Science**

This deliverable will contain the developed user scenarios in task 2.2.

**HRADIO Lab Radio playout system specification**

Definition of the HRADIO lab radio playout system. This deliverable will enable the partners to set up and operate a full featured radio playout system to conduct developments and test of HRADIO pilots under real life conditions.

**Intermediate report on the pilot evaluations**

This deliverable will report on the intermediate pilot evaluations activities and will give feedback to WP4 to refine the different pilot scenarios for the upcoming piloting cycles.

**Other (1)**

"HRADIO "OpenLab HackDay""

The HRADIO project will organise a one day hackathon to show and educate interested parties the HRADIO developments and invite them to use the technology on own projects.
A dedicated project space will be created on the Myminds platform, including file storage and sharing, a wiki and discussion board, mailing lists and calendar. (IMEC- M1)

Reports on the planning, execution and outcomes of the pilots, including the interim evaluation results given to the development team in the iterative process of design of the platform, and the final conclusions of the piloting trajectory

**Publikacje**

**Conference proceedings (6)**

- **DAB over IP**
  - **Autorzy:** Alexander Erk (IRT) Fabian Sattler (IRT)
  - **Opublikowane w:** 2019
  - **Wydawca:** IBC

- **Deep Neural Baselines for Computational Paralinguistics**
  - **Autorzy:** Daniel Elsner, Stefan Langer, Fabian Ritz, Robert Mueller, Steffen Illium
  - **Opublikowane w:** Interspeech 2019, 2019, Page(s) 2388-2392
  - **Wydawca:** ISCA
  - **DOI:** 10.21437/interspeech.2019-2478

- Content-based Recommendations for Radio Stations with Deep Learned Audio Fingerprints [to be published]
  - **Autorzy:** Stefan Langer, Liza Obermeier, André Ebert, Markus Friedrich, Emma Munisamy, Claudia Linhoff-Popien
  - **Opublikowane w:** Lecture Notes in Informatics (LNI), 2020
  - **Wydawca:** Gesellschaft für Informatik e.V.

- Business model innovation in radio ecosystems in Europe: Capturing value through collaboration
  - **Autorzy:** Jacobus van der Bank, Ivana Kostovska & Simon Delaere
  - **Opublikowane w:** NEM Summit 2020, 2020
Daylist. Exploring the Design of Configuration Settings to Establish a Lean Back On-Demand Radio Experience

**Authorzy:** Catho Van den Bosch, Sandy Claes, Chaja Libot, Joris Mattheijssens, Klaas Baert, Michelle Boonen, Wendy Van Den Broeck

**Opublikowane w:** 2020

**Wydawca:** ACM

The Island Approach (TIA): a suited projective technique for evaluating a bevy of attributes

**Authorzy:** Natasja Van Buggenhout, Wendy Van den Broeck, & Iris Jennes


**Wydawca:** ENoLL - European Network of Living Labs

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**Other (1)**

HRADIO – HYBRID RADIO EVERYWHERE FOR EVERYONE

**Authorzy:** Alexander Erk (IRT) Markus Friedrich (LMU)

**Opublikowane w:** FKT, 2019

**Wydawca:** FKT

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**Book chapters (1)**

*A Distributed Metadata Platform for Hybrid Radio Services*

**Authorzy:** Markus Friedrich, André Ebert, Carsten Hahn, Georg Schneider, Liza Obermeier, Alexander Erk, Iris Jennes

**Opublikowane w:** Innovations for Community Services - 19th International Conference, I4CS 2019, Wolfsburg, Germany, June 24-26, 2019, Proceedings, Issue 1041, 2019, Page(s) 166-183, ISBN 978-3-030-22481-3

**Wydawca:** Springer International Publishing

**DOI:** 10.1007/978-3-030-22482-0_13

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**Peer reviewed articles (1)**

The benefits of interdisciplinary scenario-building for hybrid radio applications [to be published]

**Authorzy:** Iris Jennes, Markus Friedrich, Jaco van der Bank, Wendy Van den Broeck, André Ebert, Michelle Boonen