

The VOICES logo is displayed on a light-colored rock surface. It features the word "VOICES" in a bold, sans-serif font. The letter "O" is replaced by a blue circle containing a white silhouette of the African continent. Above the "O" are three curved lines representing a signal or broadcast.The VOICES logo is centered on a white background. It features the word "VOICES" in a bold, sans-serif font. The letter "O" is replaced by a blue circle containing a white silhouette of the African continent. Above the "O" are three curved lines representing a signal or broadcast.

**VOIce-based Community-cEntric mobile Services
for social development**

VOICES the project

is funded by the European Commission under the 7th Framework Programme
Project No 269954



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for social development**

Project Partners

World Wide Web Foundation



France Telecom



TNO



VU University



CRS4



CSIR



North West University



ESMT



Sahel Eco



W3C



Fondation Mérieux



Portugal Telecom Inovação



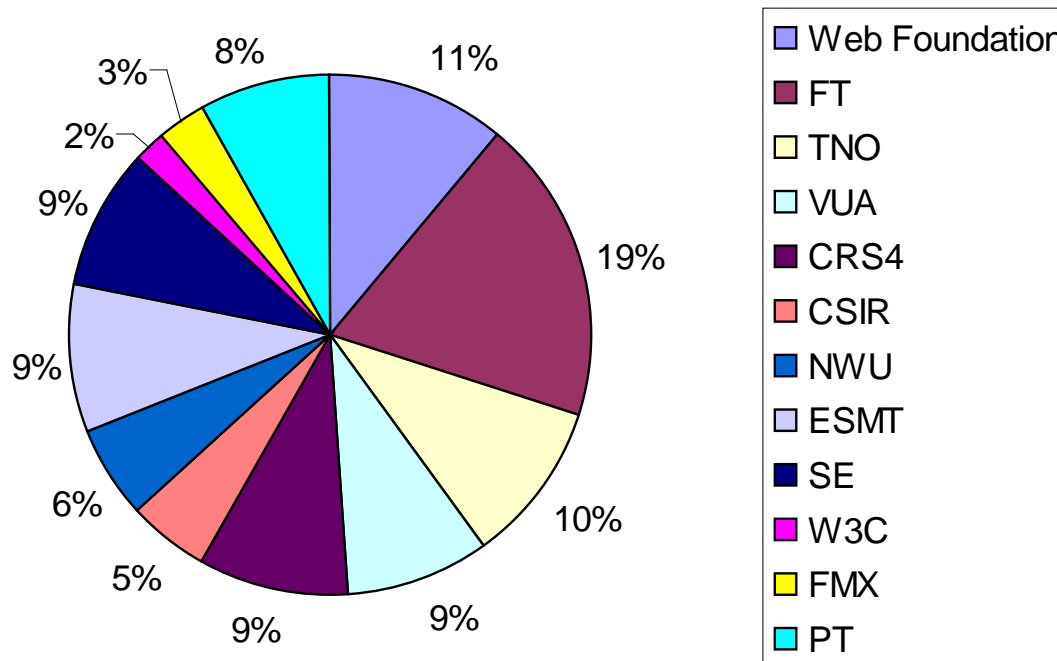
Objectives of the project

- Open and wider access to content and mobile ICT services
- Integration of local community radio and ICT
- Speech technologies for African languages
- Faster uptake through community building
- Long term sustainability

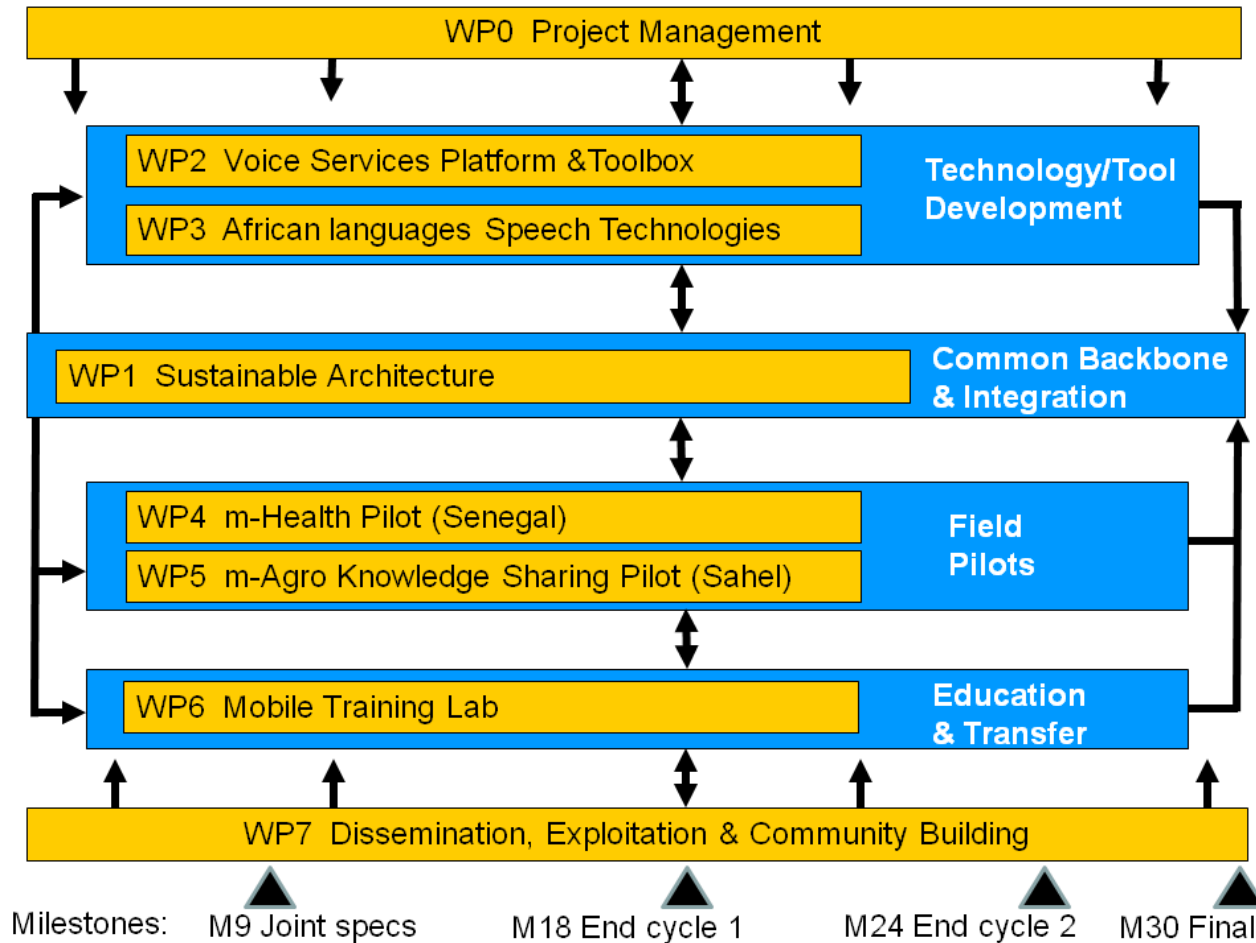
Financial information

- Total costs VOICES project: 2,9 M EUR
- Contribution from EC : 2.0 M EUR

Effort partition per partner



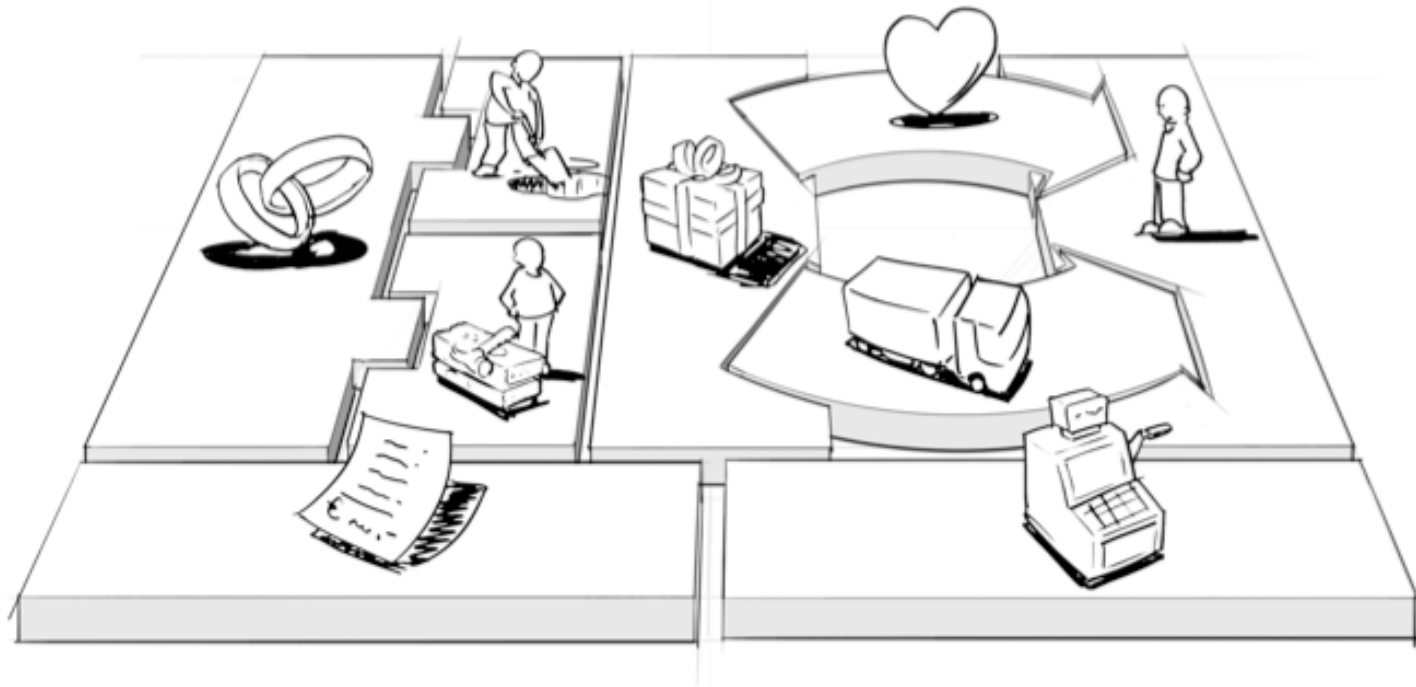
Project overview



Work Packages

- WP1 Sustainable Architecture (TNO)
- WP2 Voice Platform & Toolbox (Orange)
- WP3 Speech Technologies (NWU)
- WP4 m-Health Pilot, Senegal (Orange)
- WP5 m-Agro Knowledge Sharing Pilot, Mali (VUA)
- WP6 Mobile Training Lab (Web Foundation)
- WP7 Dissemination, Exploitation & Community Building (VUA)
- WP8 Project Management (WF and ERCIM)

WP1 Sustainable Architecture



WP1 Objectives

- To ensure coherency and sustainability by creating a **business model** and **adoption methodology** for VOICE-based services and use **impact assessment** to improve the development.

WP1 Deliverables

- **D1.1** Use cases & requirements document
 - **D1.2** Business model & adoption methodologies report
 - **D1.3** High level architecture report
- Input for development VOICES pilots

WP2 Voice Platform & Toolbox Objectives

- Define the technical architecture of the platform
- Develop and integrate all components
- Deliver toolbox for direct use in WP4 and WP5

WP2 Deliverables and roadmap

- D2.1 Technical requirements (M9)
- D2.2 Version 1 of Voice Services toolbox (M12)
- D2.3 Version 2 of Voice Services toolbox (M21)
- D2.4 Final release of Voice Services toolbox in Open Source (M30)

WP3 Speech Technologies



WP3 Objectives

- Develop speech technologies for Wolof
 - Cost-efficient approaches
 - Practically useable components
- Investigate practical usability of speech technologies in this context
 - Automatic Speech Recognition (ASR)
 - Text-to-Speech (TTS)
- Provide input to standards bodies
 - Speech technology for African languages

WP3 Deliverables

- Report: state of the art on speech tech development for Under-Resourced Languages
- Language-specific components: ASR & TTS
- Reports on user acceptance studies (Senegal)
- Proposal documents: standards committees

WP4 m-Health pilot



WP4 Objective

To mitigate the impact of infectious diseases on the population in remote areas, by linking peripheral biomedical laboratories to regional and national reference laboratories by mobile systems.

WP4 m-Health pilot services

- Interconnection of the care site and laboratories epidemiological site
- Develop an intranet solution: adapted for m-learning, global information systems for laboratories
- m-Training and m-Information using voice based services, including tool for African languages

WP4 Deliverables

- D 4.1 m-health pilot content
- D 4.2 m-health pilot roll-out cycle 1 results
- D 4.3 m-health pilot roll-out cycle 2 results
- D 4.4 m-health pilot final evaluation report

WP4 Sustainable architecture

- Collect realistic user scenarios, needs and demands from health laboratories for end-users
- Determination of end-users technical requirements and expectations in terms of applications
- Determination of purchasing power of the users for different types of applications,
- Determination of potential metrics of evaluation of the social and economic impacts.

WP5 m-Agro Knowledge Sharing Pilot



WP5 Objectives

- To employ, roll-out and test developments of WP1-3 and mobile + voice ICT services
- To contribute to new local (radio) content on regreening and related issues



WP5 Deliverables

- D5.1 m-Agro Knowledge Sharing Pilot content creation and organization
- D5.2 m-Agro Knowledge Sharing Pilot roll-out cycle 1 results
- D5.3 m-Agro Knowledge Sharing Pilot roll-out cycle 2 results
- D5.4 m-Agro Knowledge Sharing Pilot Final Evaluation report

WP5 Roadmap 2011

- First fieldtrip to collect use cases, January 2011
- Use case scenarios for sub-pilots, deadline: March 2011
- Testing new materials in Mali, September 2011
- Pilot content creation and organisation, deadline December 2011

WP5 - three sub pilots

- Target group: Community radio stations: content creation
- Target group: Farmer organisations/ Farmer Innovators: knowledge sharing
- Target group: Sahel Eco/local NGOs: social networking/community building

WP6 Mobile Training Lab



WP6 Objectives

- Setup and roll-out of mobile training in Senegal to:
- disseminate expertise on mobile technologies relevant to the local context
- enable local entrepreneurs to launch new services
- provide locally relevant content and applications to the country
- give local entrepreneurs revenue streams

WP6 Training – areas to be covered

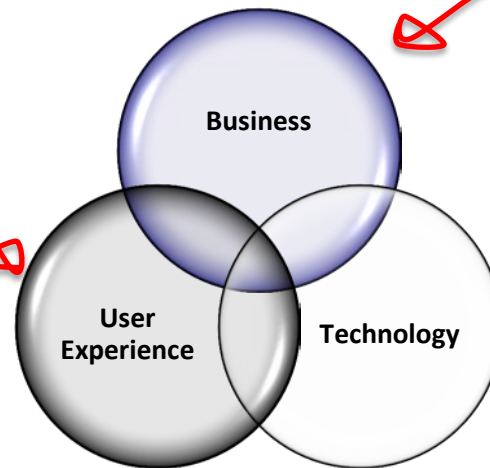
Provide entrepreneurs with technical and business training to deploy their own services and solutions.

User needs;

Community engagement (e.g. co-design);

Proposition development;

Usefulness and usability
(→ WP1; WP7).



Business models, methodologies to deploy services, and build a sustainable business
(→ WP1; WP4; WP5).

Voice applications
(→ WP2);

SMS; Mobile Web;
other technologies TBD.

WP6 Deliverables

- D 6.1 Mobile Training Lab Blueprint
- D 6.2, D 6.3, D 6.4 Training materials documentation
- D 6.5, 6.6 Training sessions
- D 6.7, 6.8, 6.9 Business plan

WP 7 Dissemination, exploitation & community building



WP7 Objectives

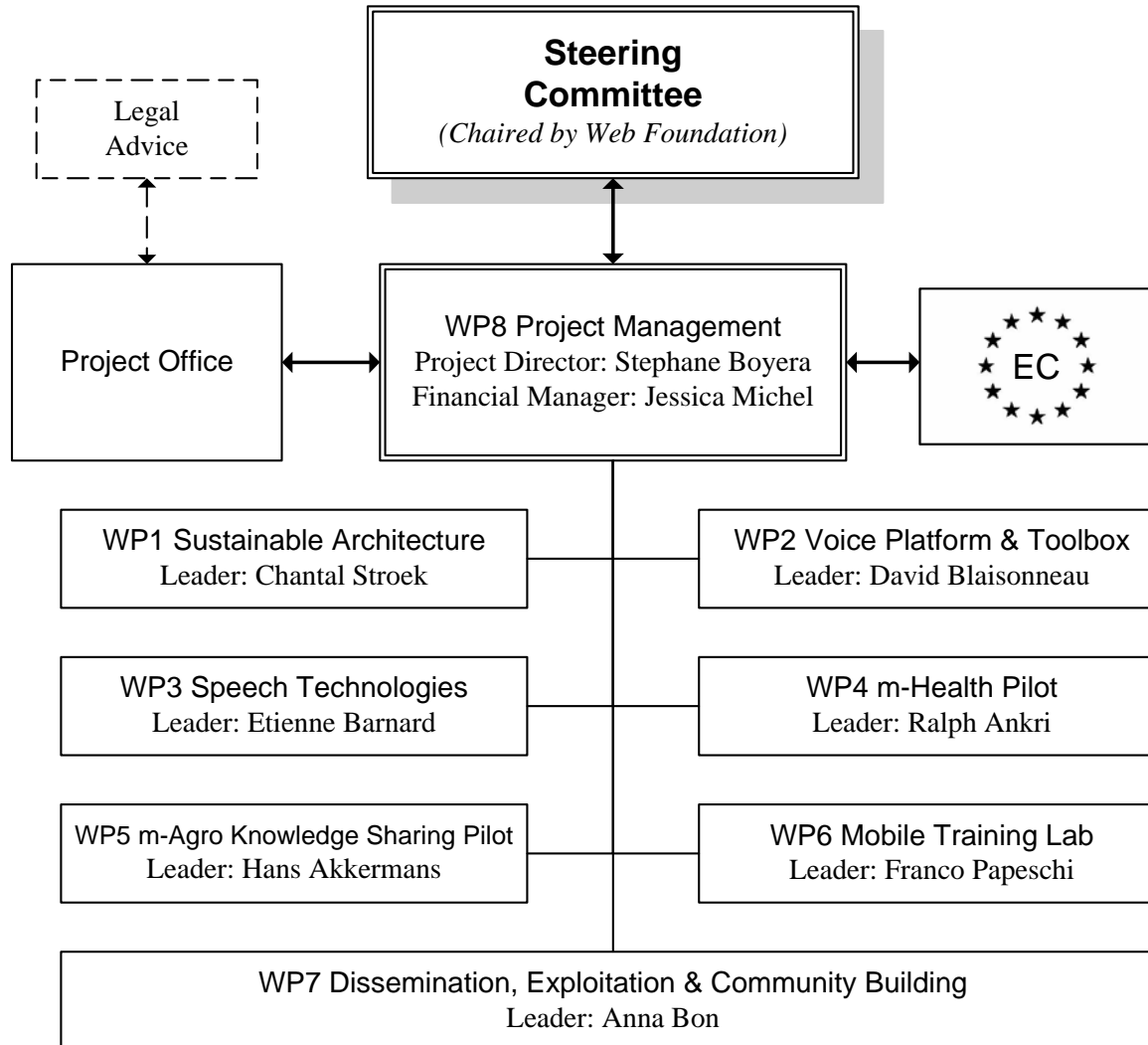
- To disseminate project information and promote its results.
- To ensure local exploitation of results beyond the project.
- To support community building in target countries.

WP7 Deliverables

- D 7.1 Website, flyer, presentation (M3)
- D 7.2 Dissemination and Use plan (M9)
- D 7.3 Report local Social Networking and Community Building activities (M30)
- D 7.4 Technology Implementation plan (M30)
- D 7.5 Final brochure with project results (M30)
- D 7.6 Final conferences on project results (M30)

WP8 Management

Project management structure



WP8 Deliverables

- D 8.1 Project review
- D 8.2 Activity Reports
- D 8.2 Management & Financial reports

VOICES products

