



eXtended Reality for All

Contribution to XR Landscape and Research Agenda in the Wiki

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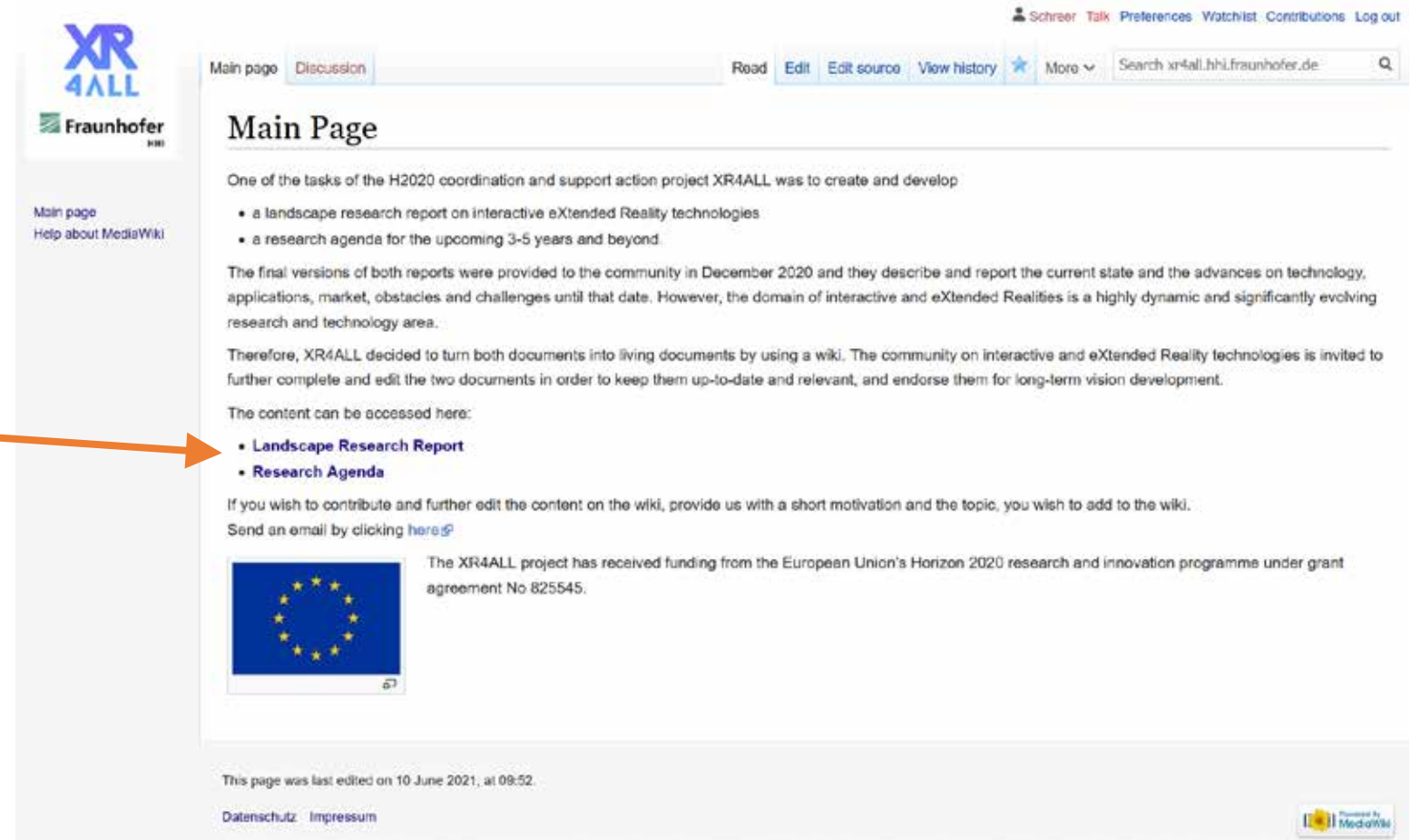


- Objectives of the wiki
- Structure of the documents
- What can you contribute?
- How can you contribute?

- Two major reports created in November 2020
 - Analysis of the Landscape of Immersive Interactive XR Technologies
 - Research Agenda 2020
- Landscape and research challenges change quickly
- What happened since fall 2020 in terms of market, technology, applications, standards and ethics?
- Up-to-date information will help the community and act as an important source of information
- Essential to keep the reports up to date to maintain value
- Involve the community and ask for contribution

à both reports are turned into a wiki

- xr4all.hhi.fraunhofer.de
- Based on OpenSource MediaWiki
- Access to both reports here



The screenshot shows the main page of the XR4ALL wiki. The page title is "Main Page". The content includes a welcome message, a list of reports, and a call to action for contributors. An orange arrow points from the text "Access to both reports here" in the list to the "Landscape Research Report" and "Research Agenda" links on the page.

Main Page

One of the tasks of the H2020 coordination and support action project XR4ALL was to create and develop

- a landscape research report on interactive eXtended Reality technologies
- a research agenda for the upcoming 3-5 years and beyond.


The final versions of both reports were provided to the community in December 2020 and they describe and report the current state and the advances on technology, applications, market, obstacles and challenges until that date. However, the domain of interactive and eXtended Realities is a highly dynamic and significantly evolving research and technology area.

Therefore, XR4ALL decided to turn both documents into living documents by using a wiki. The community on interactive and eXtended Reality technologies is invited to further complete and edit the two documents in order to keep them up-to-date and relevant, and endorse them for long-term vision development.

The content can be accessed here:

- **Landscape Research Report**
- **Research Agenda**

If you wish to contribute and further edit the content on the wiki, provide us with a short motivation and the topic, you wish to add to the wiki.
Send an email by clicking [here](#)

 The XR4ALL project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 825545.

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Datenschutz Impressum

The scope of eXtended Reality

XR market watch

- Market development
- Areas of application
- Investments
- Shipment of devices
- Main players

XR technologies

- Video/sound capture
- Scene analysis, computer vision, sound processing
- Interactive technologies for virtual flavour
- Input/output devices
- Render engines and authoring tools
- Cloud services

XR applications

- Advertising and commerce
- Cultural heritage
- Education and research
- Industry 4.0
- Health and medicine
- Security and sensing
- Journalism and weather
- Social VR
- Travel and tourism

XR standards

- XR specific standards
- XR related standards

Review of current EC research

Current state and challenges of XR technologies

- Major progress
- Major challenges

Short and long-term vision in XR

- General
- XR technology
- Applications

Ethical dimension of XR

- Women in XR
- Security and privacy of personal data
- Social relations, behavior and addictions
- Inclusion and fragile population

Standardisation

- Challenges
- Opportunities
- Recommendations

EC policy and funding

- Opportunities
- Recommendations

Major topics and actions addressed in future calls

- XR sensing and feedback
- World capture and understanding
- Open XR ecosystem and collaboration platform
- Support for start-ups and SMEs

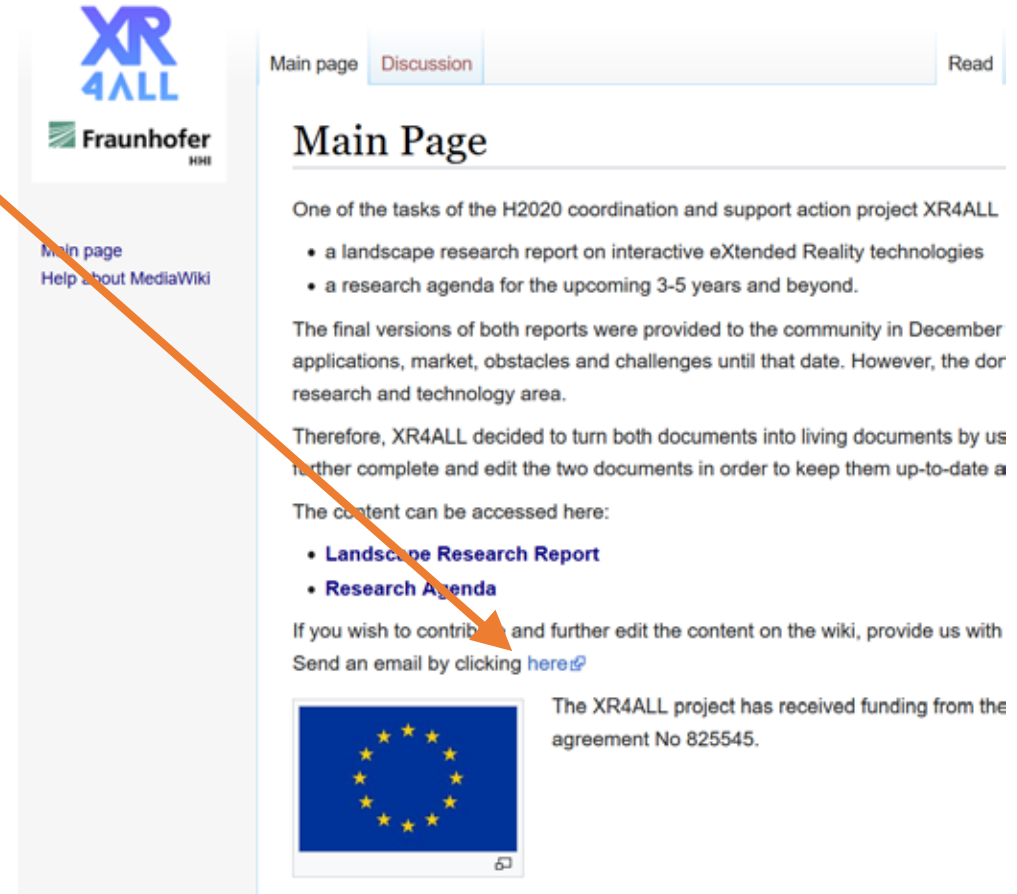
What can you contribute?

- Contribute with missing topics for any of the sections in both reports
 - Market development
 - Technologies
 - Applications
 - Challenges
 - Ethical dimension
 - ...
- Add references, figures, example applications
- Make suggestions for additional sections

How can you contribute?

- Register for editorial access
 - Provide us your motivation and topic
- You receive your account details by O. Schreer
- Start editing

- XR4ALL acts as main editor
- Contributions will be approved by XR4ALL
- You will be part of the authors list



The screenshot shows the MediaWiki interface for the XR4ALL project. At the top left is the XR4ALL logo and the Fraunhofer logo. Below it are links for 'Main page' and 'Help about MediaWiki'. The main content area has a 'Main Page' heading and a 'Discussion' tab. The text describes the project's tasks, including a landscape research report and a research agenda. It mentions that the final versions were provided in December and that XR4ALL decided to turn them into living documents. A list of links for 'Landscape Research Report' and 'Research Agenda' is provided. An orange arrow points from the text 'and further edit the content on the wiki' to the 'here' link. Below this is a small image of the European Union flag and a note about funding from the agreement No 825545.

- What happens after the end of XR4ALL in September 2021?

- The wiki will be transferred to



- Board of directors will take over the responsibility
- **Keep the documents alive and up-to-date for the sake of the XR community in Europe**

SIGN UP ON XR4ALL NOW AND BECOME
PART OF THE COMMUNITY

Thank you for your attention!

www.xr4all.eu

@XR4ALL



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