QUICKAPP
INITIATIVE

Steering Committee

December 14th, by video conference

Agenda

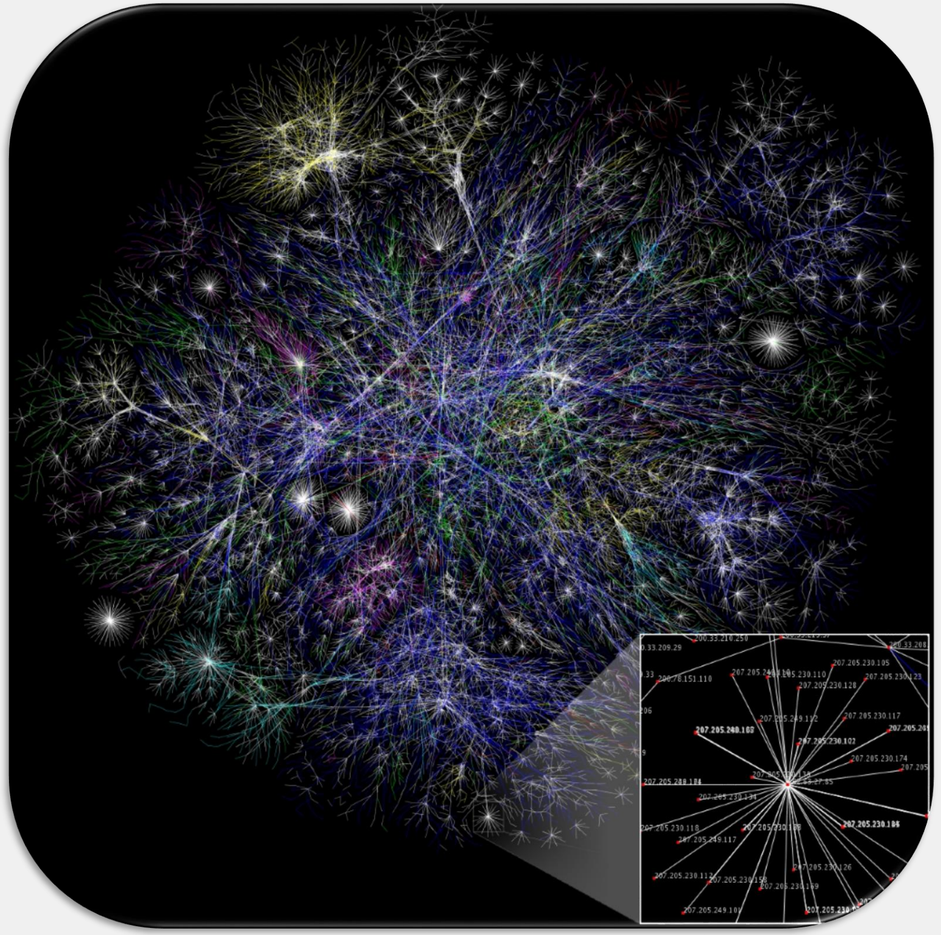
- W3C news
- HAPJS – open source Quick App engine
- Academia challenges
- HeritageIn - open source Quick App project
- Participant news

QUICKAPP
INITIATIVE

W3C MiniApp Working Group

Huawei, Xiaomi, Baidu, Google, Microsoft … and others

- MiniApp workshops
- OW2-W3C Liaison
- News about standards



Von The Opte Project - Originally from the English Wikipedia; description page is/was here., CC BY 2.5, https://commons.wikimedia.org/w/index.php?curid=1538544

W3C MiniApp Workshop (8 Feb - TBC)

- **One-day face-to-face workshop** on **Light Apps** to be held in Gijon (Spain)
- Co-organized by **W3C Spanish Chapter** and the **OW2 Quick App Initiative**

- Municipality and local university involved.
- Collaboration with MiniApp vendors. Everyone is welcome

- **3 main sessions:** informative presentations + discussion and exploration of local uses cases + hackathon-like for students.

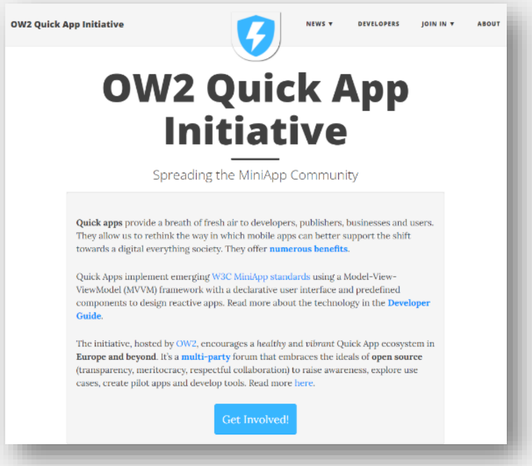
- **Language**: Spanish with presentations in English.
- **Topics:** Light Apps in general: MiniApp, PWA, Quick Apps.
- **Audience**: developers, IT startups, and Spanish-Speaking W3C community in general (Spain, LATAM)

- Objectives:
  1. **Raising awareness on standards**: identify and engage **stakeholders** in Europe + public technical discussion
  2. Attract **participants into the W3C activities**
  3. **Hackathon on MiniApps** (testing and new use cases)

Liaison between OW2 and W3C

MiniApps to prove neutrality and commitment

- Show commitment to the W3C's mission of developing one Web for all
- A simple liaison (covering the "**open source**" topic and **promotion** of standards):
  - To clarify the respective activities (standards Vs open-source implementations)
  - Look for opportunities to work together (events)
  - OW2 Quick App to send feedback to W3C
  - W3C MiniApp's need for tools → developed under a neutral open source organization



MiniApp specs status

SPECIFICATIONS	(1) PUBLIC DRAFT (public document)	(2) TECHNICAL PART COMPLETED (Candidate Recommendation)	(3) IPR Management	(4) STANDARD (Final specification, Group Note…)
MiniApp Manifest	**Public working draft**	Testing with real implementations (to start as soon aTr		Q2.2023
MiniApp Packaging	**Public working draft**			Q2.2023
MiniApp Lifecycle	**Public working draft**			Q2.2023

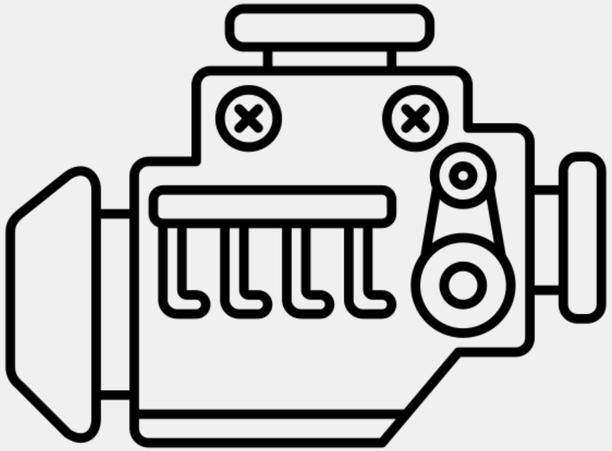
MiniApp Addressing	Q3.2022		
Widget Requirement	Q3.2022		
MiniApps and IoT	Q1.2023	*Non Web Standards (complementary documents)*	
MiniApp White Paper	22		
UI Components	Q3.2022		

QUICKAPP
INITIATIVE

HAPJS

An open source Quick App engine

- Apache 2.0 license
- GitHub
- OpenAtom Foundation incubation project



Engine by Amethyst Studio from Noun Project
https://thenounproject.com/browse/icons/term/engine/

Why HAPJS is important

- What is it?
  - HAPJS is an open source **Quick App engine** (Apache 2.0) available on GitHub (https://github.com/hapjs-platform/hapjs)
  - The most active developers on GitHub come from Xiaomi and Oppo

- Who's behind it?
  - HAPJS is an incubation project of the OpenAtom Foundation (https://www.openatom.org/)
  - OpenAtom is a Chinese open source foundation with multiple participant companies

- Why is this important for QAI?
  - QAI aims to foster a vibrant "win-win-win" Quick App ecosystem in Europe and beyond
  - Businesses & developers must see value → users must be able to run Quick Apps on their devices
  - HAPJS reduces the friction for device makers to provide "out-of-the-box" support for Quick Apps

Discussion point : How should QAI (that means us all) approach this?

QUICKAPP
INITIATIVE

Academia challenges

telanto

- Global footprint
- Under graduates + Post graduates
- Challenges tend to last 3 months
- Free for educational establishments and students (industry pays)
- Huawei has a contract with Telanto
- QAI registered participants can propose challenges to co-organise with Huawei
- Results published through QAI

Group Of College Students Researching Information by Jacob Lund Photography from NounProject.com

Telanto: security challenges - STARTED

3 challenges being addressed by students doing an Information Security Management masters degree from Hawaii Pacific University (HPU)

Code verification

- How to trust Quick Apps when they are not distributed through an established app store
- 1 HPU team assigned

Phishing avoidance

- How to combat ill-intentioned QR codes triggering scam Quick Apps that lead to data and finance loss
- 1 HPU team assigned

Data privacy

- How to promote a privacy 1st approach to Quick Apps that enhances consumer trust
- 2 HPU teams assigned

Each team will deliver a report highlighting the generic risk and ideas for mitigation
Reports expected end 2022 / early 2023
Reports will be published on the QAI portal

Telanto: strategic challenges - NEW

Image by vectorjuice on Freepik
https://www.freepik.com/free-vector/business-team-brainstorm-idea-lightbulb-from-jigsaw-working-team-collaboration-enterprise-cooperation-colleagues-mutual-assistance-concept-pinkish-coral-bluevector-isolated-illustration_11667116.htm

Technical challenges for post-grads
Just published (awaiting university uptake)

Tourism framework

- Use Quick Apps + Solid to explore the creation of a modular and extensible tourism framework
- Co-organised with **Startin'blox**

Quick Apps on /e/OS

- Integrate HAPJS into /e/OS to bring Quick App support natively into /e/OS powered devices
- Co-organised with **e Foundation**

Extend Quick Apps to new verticals and new devices

Map by Thossawat from Noun Project
Museum by Creative Mania from Noun Project

Telanto: cultural challenges - NEW

Image by vectorjuice on Freepik
https://www.freepik.com/free-vector/smart-destinations-project-abstract-concept-illustration_12291307.htm

Nice challenges for people learning to code
Recently published (awaiting university uptake)

Outdoor

- Implement HeritageIn for your town or use case
- Add new functions
- …

Indoor

- Create a Quick App for museums
- Audio guides & interactive content
- Shopping experience?
- Indoor geo-location?
- …

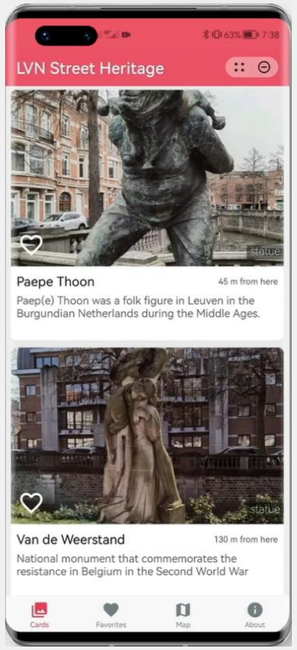
QUICKAPP
INITIATIVE

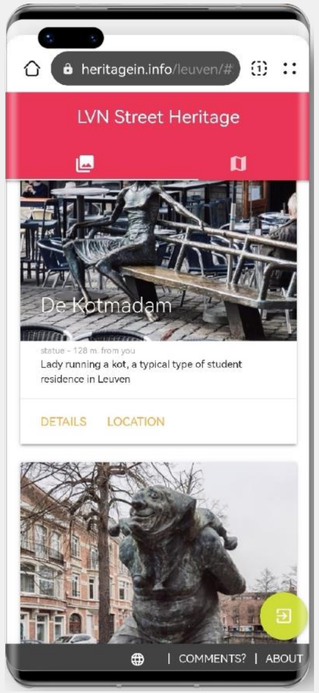
HeritageIn

open source meets open data

- Interactive map based points of interest with descriptive info panels
- Fast and easy implementation
- Adapts to many use cases

HeritageIn





01 GitHub

https://github.com/ow2-quick-app-initiative

- 1st project in QAI's new GitHub space ☺

02 Demos

- Several demo implementations

Published (App Gallery)	Un Published
Leuven Cultural Heritage	Antwerp Middelheim Museum
Leuven Big Bang Theory	Amsterdam Historic Buildings
Brussels Comic Book Route	Barcelona Beaches
Cultural Heritage in Paris	Illustrious Parisian Women
	Monumental Trees in Paris

03 Universal access

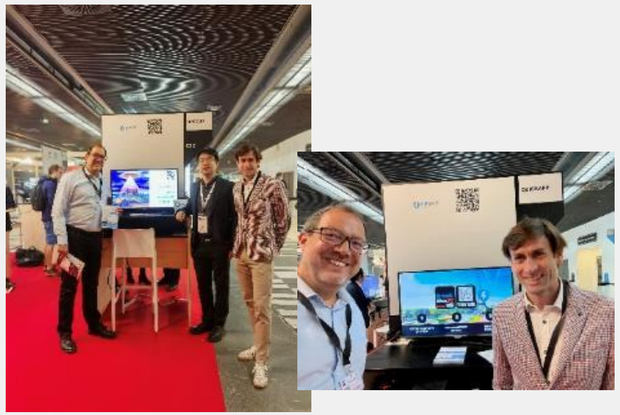
- Generates Web apps automatically from the Quick App database

04 Collaborative

- Project will be submitted to OW2 for inclusion in their codebase
- Collaborate on new functionality
- Get *your* community involved and create new implementations

HeritageIn at OSXP (Nov. 8-9)

QAI space on the Huawei stand



Flyer

Demo

Panel talks

- **OSXP Panel**: *Open source for open data and citizen participation*
  - Martin Alvarez
- **SIDO Panel**: *Civic-Techs Data & IoT: Re-inventing the relationship between citizens and their public communities*
  - Christian Paterson

events by Shocho from Noun Project
Web Portal by VectorsLab from Noun Project

QUICKAPP
INITIATIVE

Community

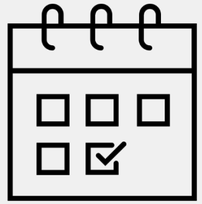
Interesting discussions
- Engineering (Italy)
- ESOP (Portugal)
- Vonage

General animation
- Events radar for 2023 (ideas please)
- Portal posts, twitter (help please)

ENGINEERING
THE DIGITAL TRANSFORMATION COMPANY
https://www.eng.it/en/

esop
https://www.esop.pt/

VONAGE
https://www.vonage.com/



QUICKAPP
INITIATIVE

OW2 Quick App Initiative

DISCOVER

https://quick-app-initiative.ow2.io

CONTACT

quickapp-team@ow2.org

FOLLOW

@OW2QuickApps

#QuickAppsEU