

Anna-Riitta Kallinen
Finland

the National Congress in Warsaw
"Digitalization of the construction process in
practice"
30.8.2023



Anna-Riitta Kallinen

Owner and Founder
ARK Consulting,
ARKCON

anna-riitta.kallinen@arkcon.fi

+358407709799

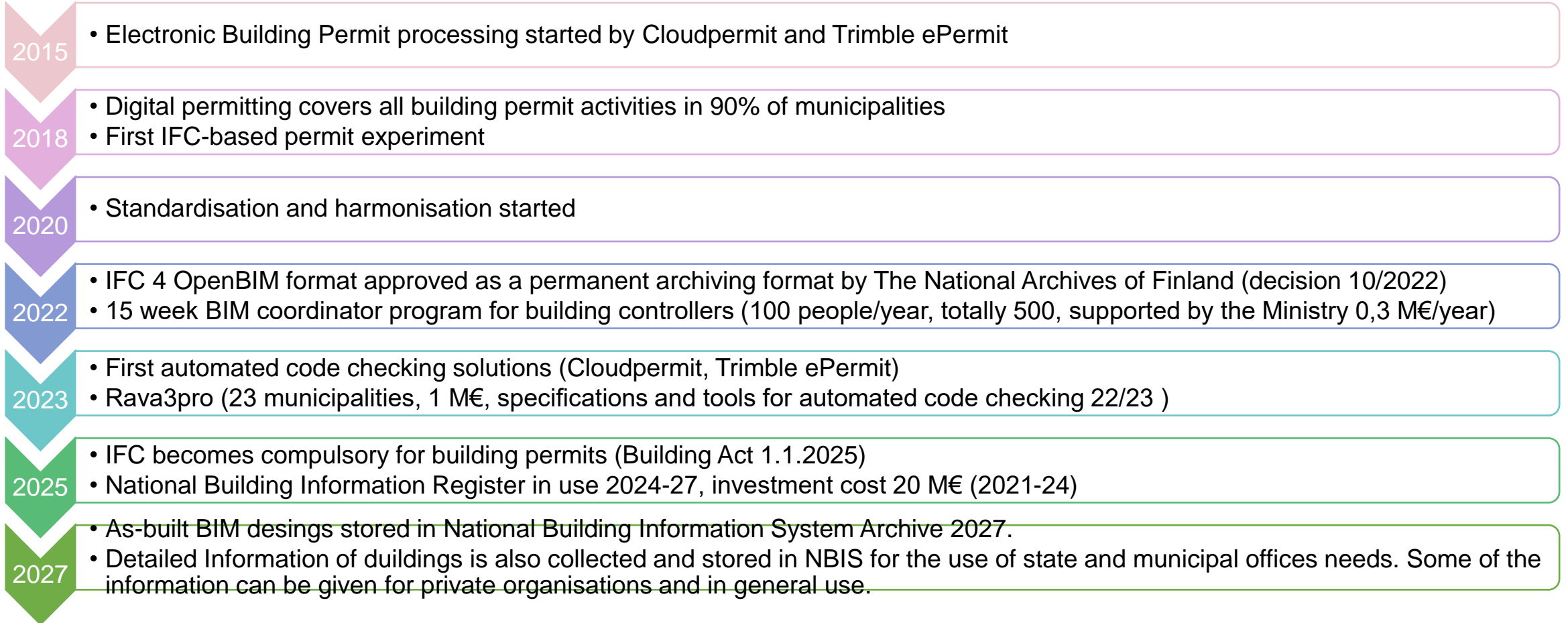
www.arkcon.fi



- *I'm a long-time openBIM and buildingSMART influencer from Finland*
- *18 years have been actively involved in national BIM development projects, disseminating BIM know-how to the construction industry and industry operating models and guidelines.*
- *I was involved with project General BIM Requirements 2012 (COBIM).*
- *The Building KIRA-Digi Project Coordinator selected by the Finnish property owners and a group of construction companies for national development projects.*
- *Project Coordinator COBIM2020 Planning project.*
- *Project Coordinator of Ministry of Environment of Finland development projects: RAVA2 BIM-based Building Permits and COBIM2020 part 14 and Ministry of Finance of Finland RAVA3Pro Project Manager.*
- *Part of VTT team in ACCORD EU Project.*
- *Innovator and Project Coordinator of BIM Export Projects for Finnish companies.*
- *Innovator and one of the founders for Hospital BIM –virtual event 2020 in Finland*
- *Engineer background, Hospital Project Specialist for information management, BIM and Creating new operating models at different project stages.*

CURRENT USE OF BIM

Building permits applied by BIM (IFC)





Ympäristöministeriö
Miljöministeriet
Ministry of the Environment

RAVA2 and COBIM2020 Part 14
Results

- National IFC property set for regulatory information and Use Case

RAVA3Pro Process and Software Ecosystem

Map for automatically reading of Regulatory information from IFC (minimum information about building)

R A V A 3
P R O



R A V A 3
P R O

Planning and research



Pilot native models for Archicad and Revit were made, and we did get the same results for IFC information out. IFC and native model files for results.

Developing

Software updates was made from the development that came out of workshops in need of process



Piloting in practise is primarily software

Proof of Concept Testing

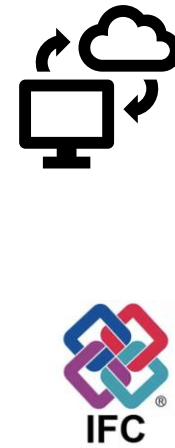
Piloting and proofing in practise ecosystem software

Proof of Concept Testing for Ecosystem Software



Implementation to use

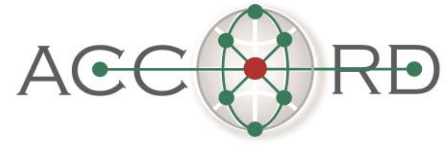
Software published and implemented for use in national



The next steps for the RAVA3Pro project phases are ready

RAVA3Pro's next steps are getting ready





ACCORD



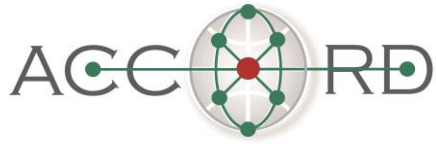
Funded by the
European Union



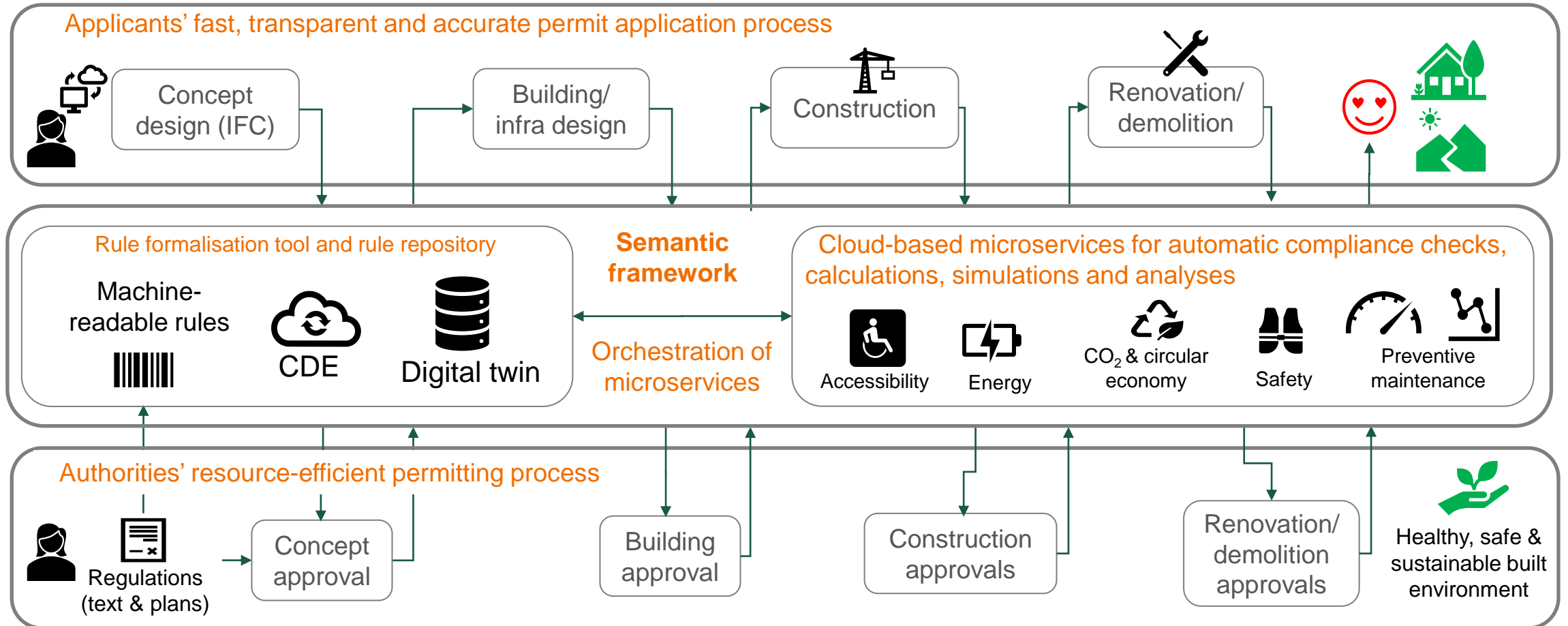
Innovate
UK

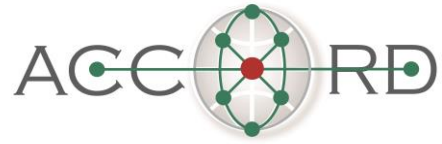
Digital Building Permit

Automated Compliance Checks for Construction,
Renovation or Demolition Works



Transparent & resource-efficient BIM-based permitting process





Partners



This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement no. 101056973