UNVT Portable Hands-on 2024
@ PoliMI

Implementing Offline Map Server based on Raspberry Pi for Crisis Response

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@mapconcierge

Join us for a hands-on session where we will implement the offline map server "UNVT Portable," developed under the UN OpenGIS Initiative. This session will focus on building "UNVT Portable" and learning how to use web map technology in offline environments, which is particularly useful during disasters or in areas with unstable internet connections. We will also cover the basic use of Raspberry Pi, a cost-effective and versatile tool.

Oct 8th. 2:30–4:30pm
@ AULA FASSO' Building 4A – PoliMI

Who Should Attend:
- University students interested in web map technology and offline maps
- Those interested in disaster response and the application of technology in areas with unstable internet

Session Content:
- Introduction to UNVT Portable and step-by-step implementation
- Basic setup and usage of Raspberry Pi
- Case studies of utilizing map servers in offline environments
- Hands-on implementation using your own laptop and smartphone

Requirements:
- A laptop (Windows/Mac/Linux) with ethernet port
- A smartphone or Tablet

Expected Outcomes:
- Acquire skills to build map servers in offline environments
- Understand how to use web maps in situations where the internet is unavailable, such as during disasters
- Learn how to use Raspberry Pi for cost-effective and versatile technology applications
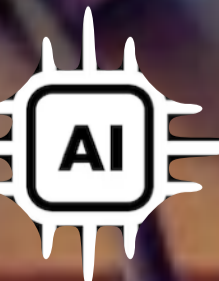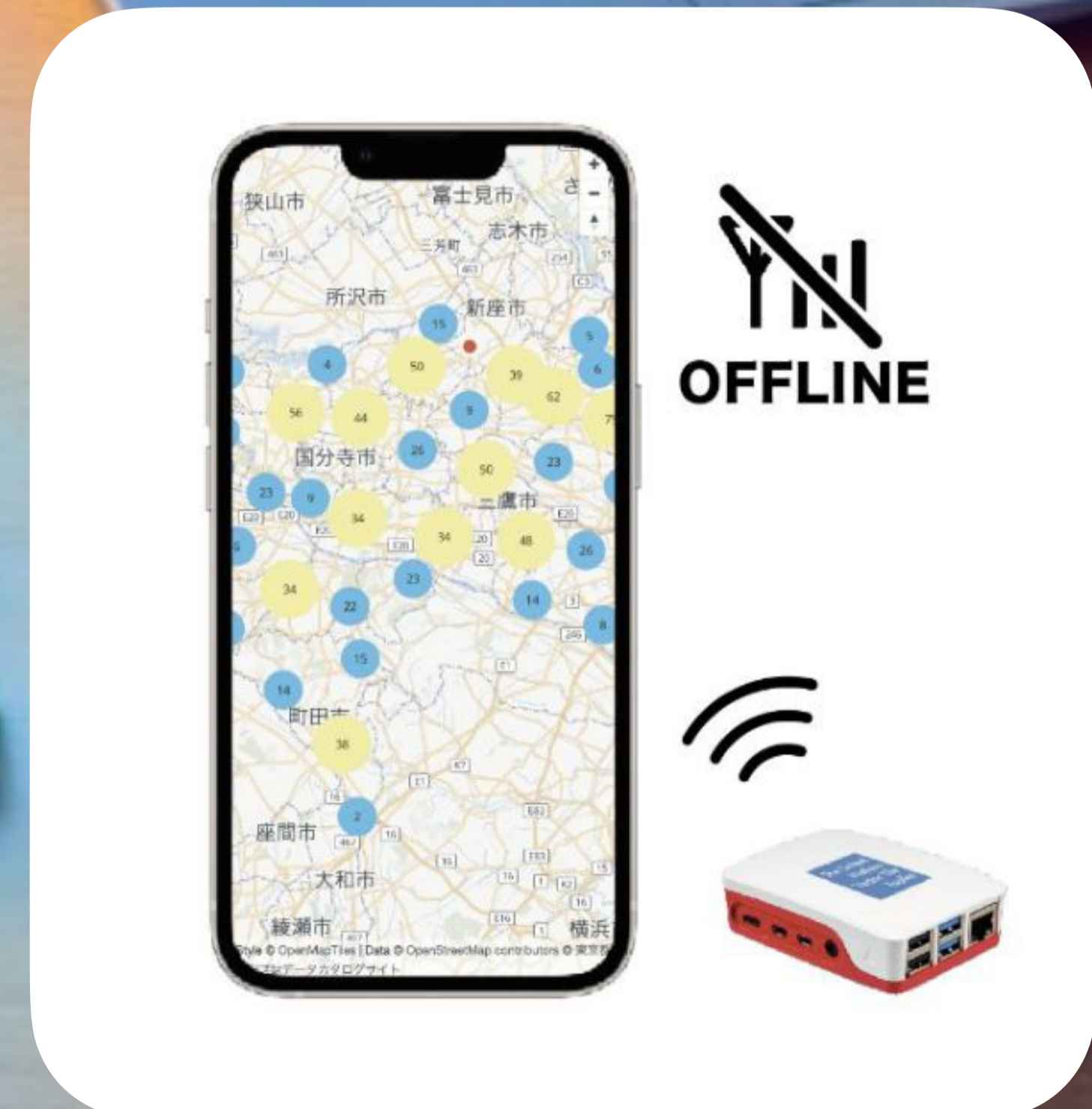
OFFLINE

Image by ChatGPT 4o

UN Open GIS INITIATIVE

7 Smart Maps

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GEOLaB
Governance and Earth
Observation lab

Furuhashi Lab.
Aoyama Gakuin Univ.

DRONE BIRD
災害ドローン救援隊

青山学院大学
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