



# **Massive participation in CREDO: smartphone detector**

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# Public Ready - beta

- Application – basic detection functionality
- Communication protocol
- Central Acquisition and Statistics Generation



# Technology

- Android 5.0
- Written in Kotlin (some parts in Java)
- Communication JSONoverHTTPS
- Pull model
- Server side – nodejs front-end

# Technology ← Future

- Review security schema / implement
- Native “old-good” C++/C / GPU – for processing part – Optimisation, optimisation, opti ...
- Distributed, in-memory-cached Frontend (REDIS → Kaffka)
- Maybe: Push model google notification service
- IOS version

# Functionality ← Future

- Near: statistics – keep user well informed
- Bulletin
- More Gamification,
- Alerts (EM-storms, Earthquakes ← when Theory and Algorithms ready)
- ...