Multi-Access, Multi-Edge Access with Akraino

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Monty Python

Finland, Finland, Finland
The country where I want to be
Pony trekking or camping or just watch T.V.

Finland, Finland, Finland
It's the country for me
You're so near to Russia
so far away from Japan
Quite a long way from Cairo
lots of miles from Vietnam

...
Finland, Finland, Finland
Finland has it all
You're so sadly neglected
And often ignored
A poor second to Belgium
When going abroad
Finland, Finland, Finland
The country where I quite want to be
Functionality in Ultra Far Edge makes sense in remote, hard to reach areas.
“Kalsarikänni”
IoThon is a focused IoT hackathon for students, researchers and developers working on open source IoT projects.

WINNERS 2019
mooseetws-mobile-app
Flutter based app showing the moose/reindeer sightings.

mooseetws-backend
Backend server for service management, and bridging.

MooseETWS
Moose Early Traffic Warning System for IoTHon

mooseetws-tensorflow-detection
Tensorflow object detection and risk reporting running on RaspberryPI
Micro-MEC Demo

- RPis with openSUSE Tumbleweed and Raspbian
- k3s cluster
- Serverless functions with OpenFaaS
- Glimpse into OpenFaaS Cloud
Micro-MEC Next

Challenge at Junction 2019

OpenFaaS Cloud for Micro-MEC developer teams

Hardware and software stack

• openSUSE Tumbleweed and openSUSE Kubic
• Initial implementation of selected MEC APIs
• More ARM based boards?
• Hybrid clusters?