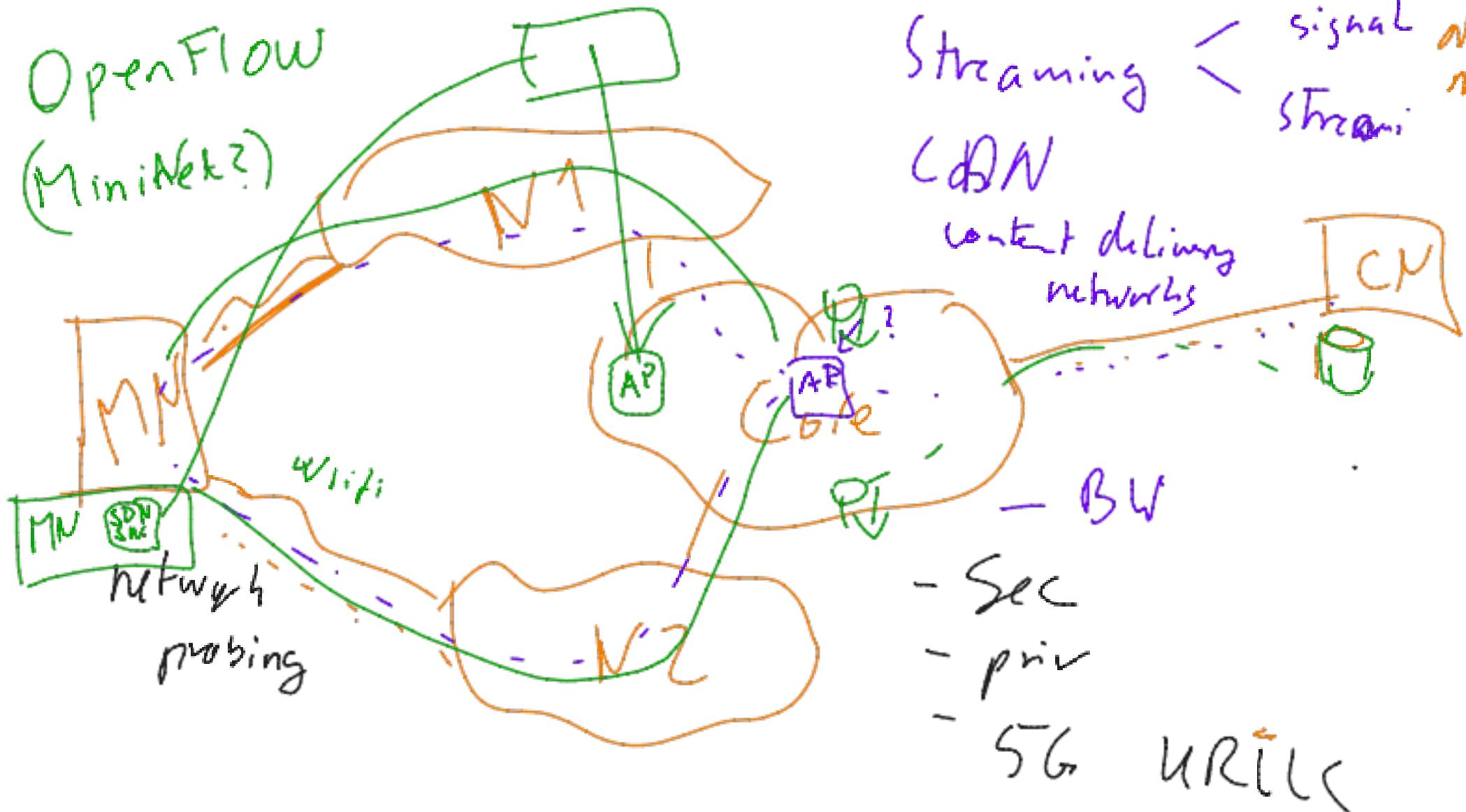


OpenFlow
(Mininet?)



Streaming ← signal n_1, n_2
Stream: n_1

CDN

content delivery networks

CM

RJ — BW

- Sec
- priv
- 5G
- URLLC

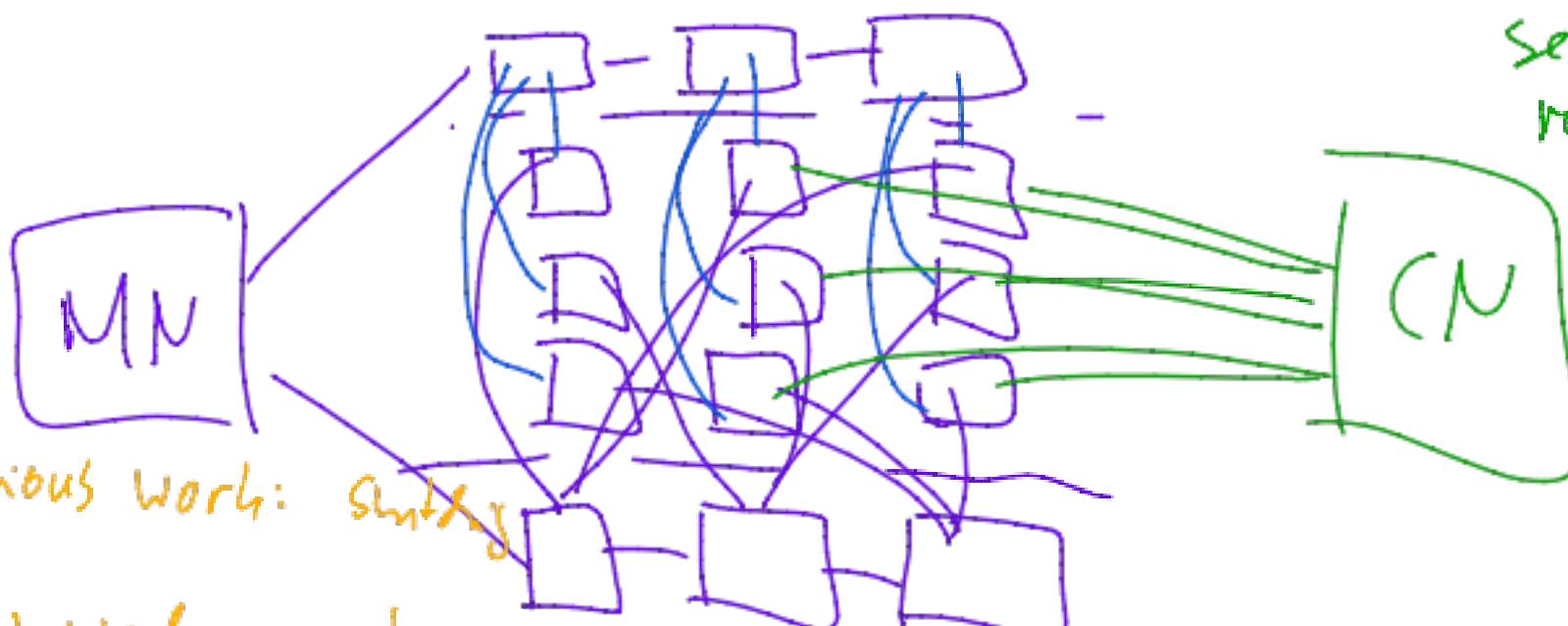
Network probing

- (double) sending
- split

✓ delta

? eval. parameter

cost: $\frac{M\$}{\text{shortest way}}$
sec., priv
reliability, latency
dither



previous work: shunting

new work: appl. spec. requirements/ways

Unique parameters of SEC?

BW #A / #B

Setup Delay
alarm

HC

reliability / packet loss / delay

Service #1

BW

Streaming

Service #2

Arrstands

delay // VoIP

Urgency

delay

Social
network

alarm (fire, ...)

fall

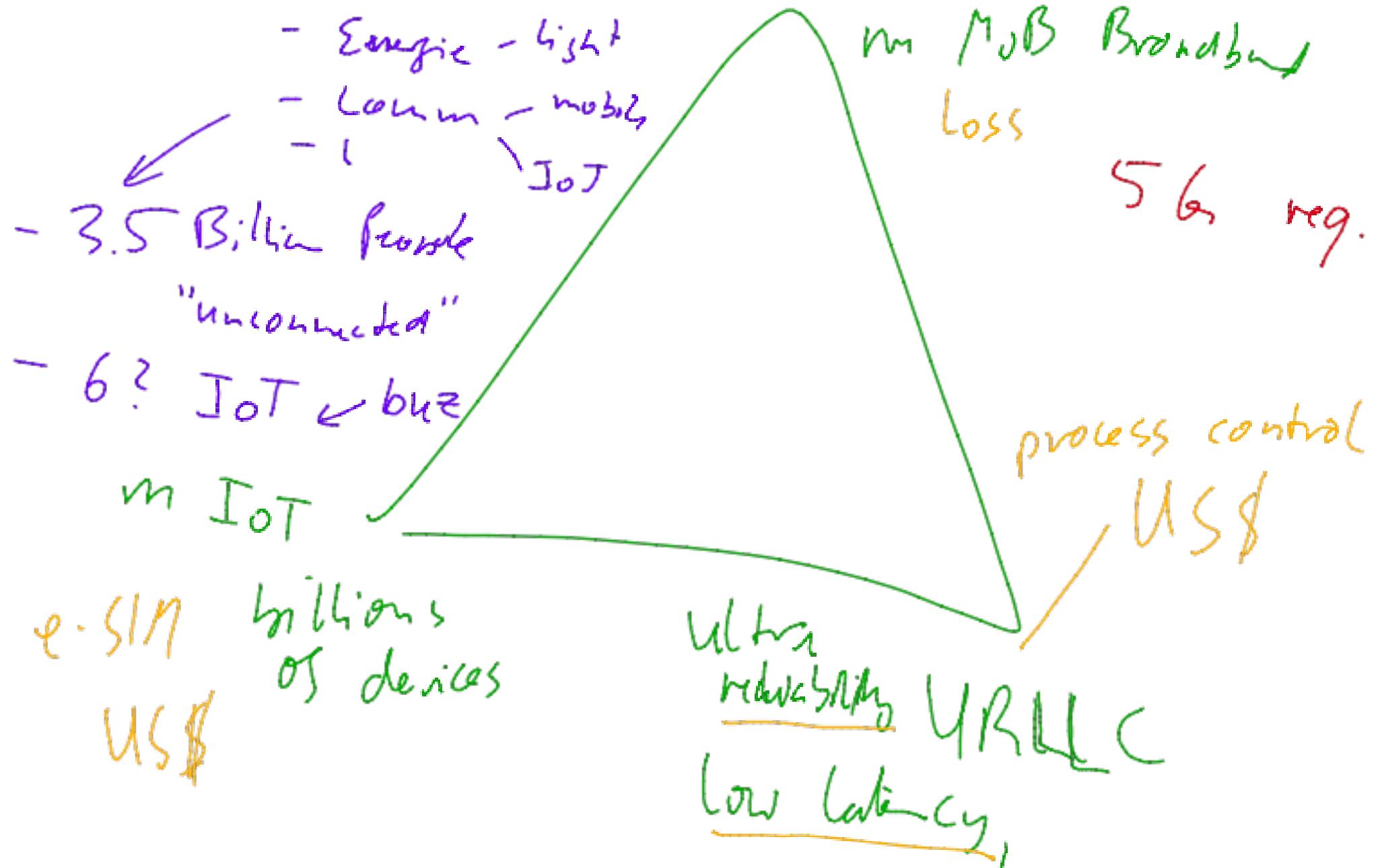
eHealth

sec, priv

... reliability

delay

packet loss



SCOTT key message
"elevate the tech"

largest security
project in EU

57 partners from
12 countries



80 M€ budget
35 M€ EU&national

8 partners from
Norway



IoT is the game changer and driver for digitalisation, and SCOTT contributes through:

- Answer the IoT need for a new and more advanced security paradigm through security classes
- Create a Convincing privacy assessment through privacy labelling
- Establish a clear link between security and safety



IoTSec.no = Publications = NEK Standard Norge

Open discussion:

- network knowledge
- network probing (time, traffic, - variability)

→ flavor of the founders' network seg

Micro Segmentation
appl. spec. routing



Steps

Methodology for use cases applied to WP8 "Managed Wireless"

■ Core use case: "Managed wireless"

- Analysis of protocols for monitoring wireless access (C.1)
- Provide tools for identification of "bad" wireless (C.2)
- Manage wireless remotely (C.3)

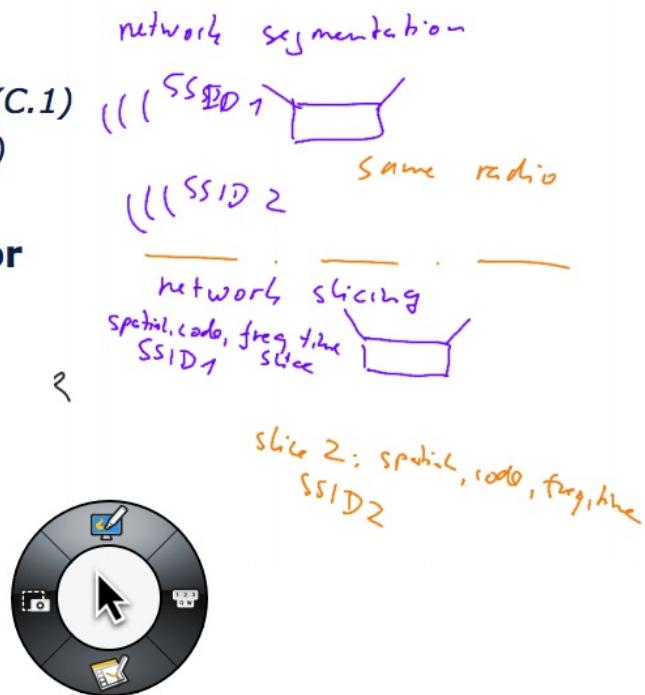
■ Extended use case: Service differentiator for future services

- Routing, e.g. micro-routing (E.1)
- Network segmentation (E.2) and slicing (E.3)

■ Future services and application areas

- TelCo 5G network slicing (F.1)
- IoT Gateway monitoring (F.2)
- IoT Management (F.3)

■ leading to Demo and Impact



Paper TOC

Intro relevance for 5G
^{SDN}
(CDN) ← use case
Application specific requirements

↓
impl
→ Fwd Tab A "nett"

Achzn:
TotSec
SCTP