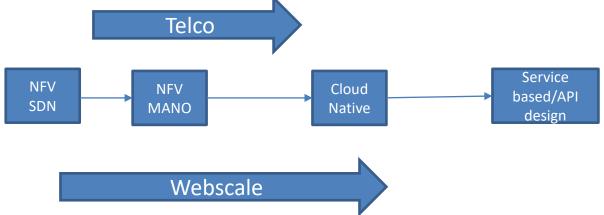




### Software Networks WG Scope



- WG created since beginning of 5G-PPP
- Mission:
  - Technology trend analysis,
  - Demystify new tech trend,
  - Place where projects can collaborate, share best practices,
  - Collect Software released by projects
- Our journey since 2016:
  - transformation to Cloud Native to Service based design and API
  - From VM to container to API

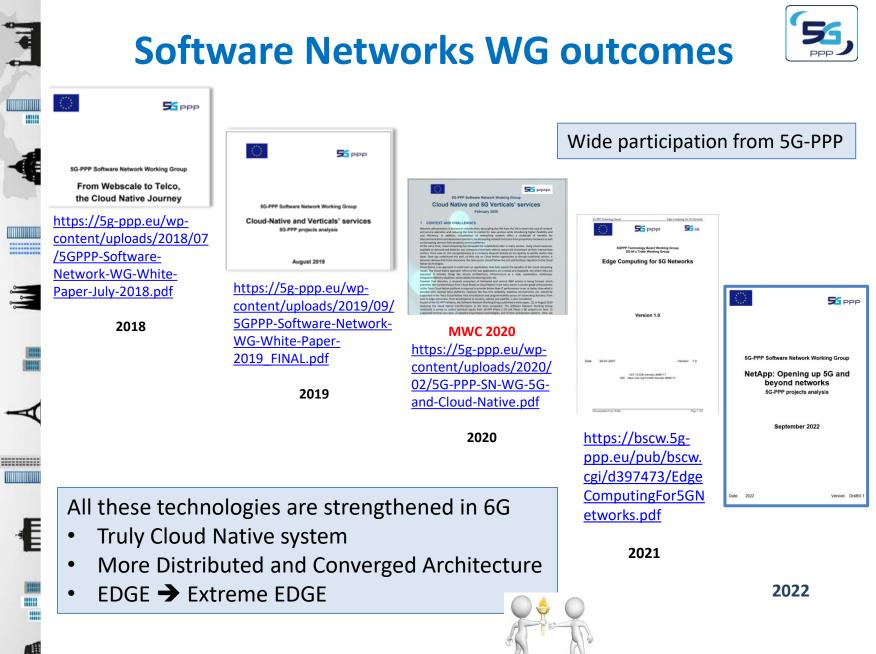




# Way of working



- Each year, the WG set-up objectives:
  - Topic of the White Paper
  - Open-Sources: trend, collection
  - Dissemination: Workshop/session in EuCNC, Globecom, ACM MobiHoc etc
  - Contributions in 5G-PPP
- WG organizes technical workshops on some focused area/techno. For example: Function as a Service, K8s, NUMA



5G Infrastructure PPP etworks global Ē ation he European path towards nu E

generati

next



### **Open-Source Collection**



- Important to be included in the outcome of the work programme in addition to standards:
  - Conducted during Phase 1:
    - The link to collect Phase 1 outcomes
    - <u>https://docs.google.com/spreadsheets/d/1C-</u> <u>9VjALm2cnTOLOem6yruTYKPgr5\_Q9r0gtmRQhSyU0/edit#gid=0</u>
  - Followed in Phase2
    - The link to collect Phase 2 outcomes
      - <u>https://docs.google.com/spreadsheets/d/1xEK5ooFEUPEXtHuom</u> <u>MUuJpkwMYQiIHLSixaORmdEutc/edit#gid=0</u>
  - Continued in Phase 3 through the collection of Network Applications:
    - On-going
    - <u>https://docs.google.com/spreadsheets/d/1pNaDcfy\_8AERvf-anisPFh5KIC\_DeCoYhP0EXTXYJt4/edit#gid=0</u>





- Cloud Native workshop serie in EuCNC
  - Special Sessions

55 PPP

/ersion: Draft/0.

- E.g. Network Exposure in EuCNC 2023
- Special Issue publication (Comsoc, ACM)
- Webinars

5G-PPP Software Network Working Group

NetApp: Opening up 5G and

beyond networks

5G-PPP projects analysis

September 2022

2022

generati

next

global

path towards

ean

he Europ

etworks

ation

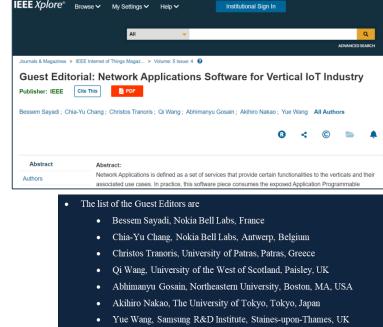
muni

5G Infrastructure PPP

• Joint Workshop with other WG

<u>– 1</u> 1	CO	-100	- <b>C</b>		<u>_</u> ])
EU			5 Sur	nmi	τ
	-				

Gothenburg, Sweden = 6-9 June 2023





### Lessons Learned



- Reinforce the visibility of the outcomes like the white papers through participation in international events
- Cross-WG collaboration should be strengthened by joint work in some white papers, e.g.
  - Business analysis
  - Security
  - etc
- Projects should be more engaged: identify the expert, report what it is on-going to your projects, formalize it in the DoA
- Think beyond the funded project

# Way forward



The plan is:

rastr

- Network Applications V2, finalization and release in EUCNC 2023
- Further dissemination activities: potential EuCNC 2023
  Special Session related on Network Exposure, EuCNC 2023
  convened session proposal on 5GPPP outcomes and impact generated
- Transition of the SN WG to SNS JU as of Sept/Oct 2023 since cloud native, multi-stakeholder orchestration across heterogeneous domains including extreme edge, platform abstraction, exposure, data layer, 6G service delivery framework etc are key for 6G. There is a lot to do.

