

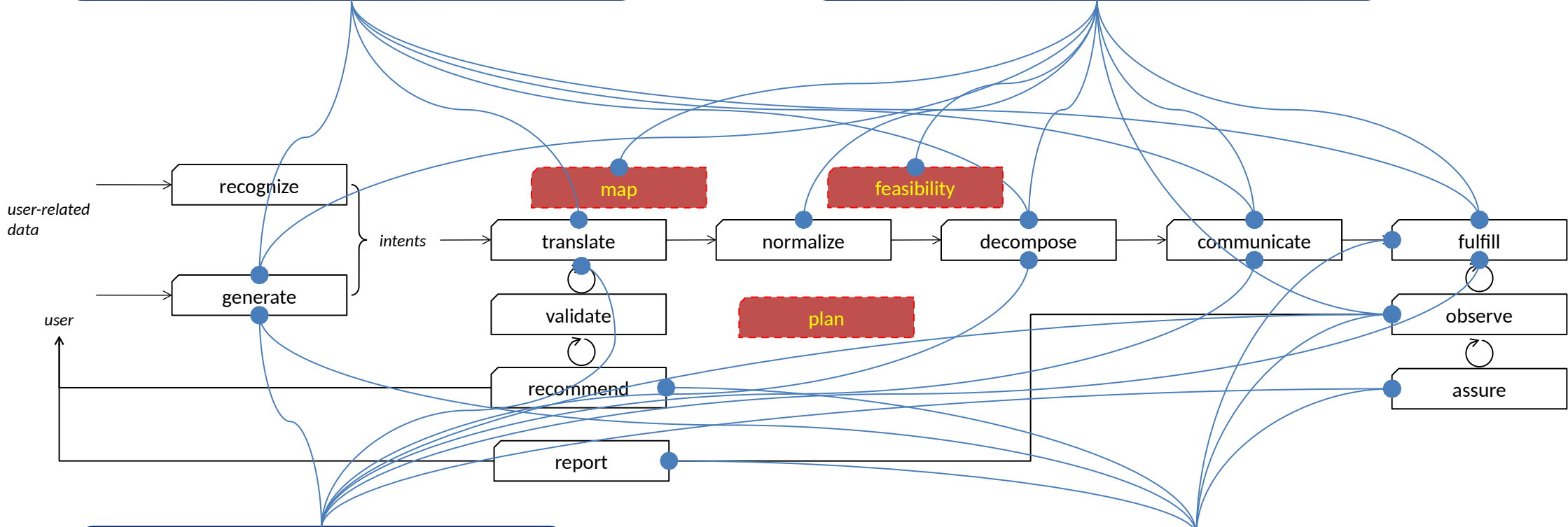
Overall IBN Tools view

NMRG workshop@NoF, 03-04/10/2019



Intent-based Service Function Chaining
Borsatti et al.

Intent-Based Network Slice Deployment
Aklamanu et al.

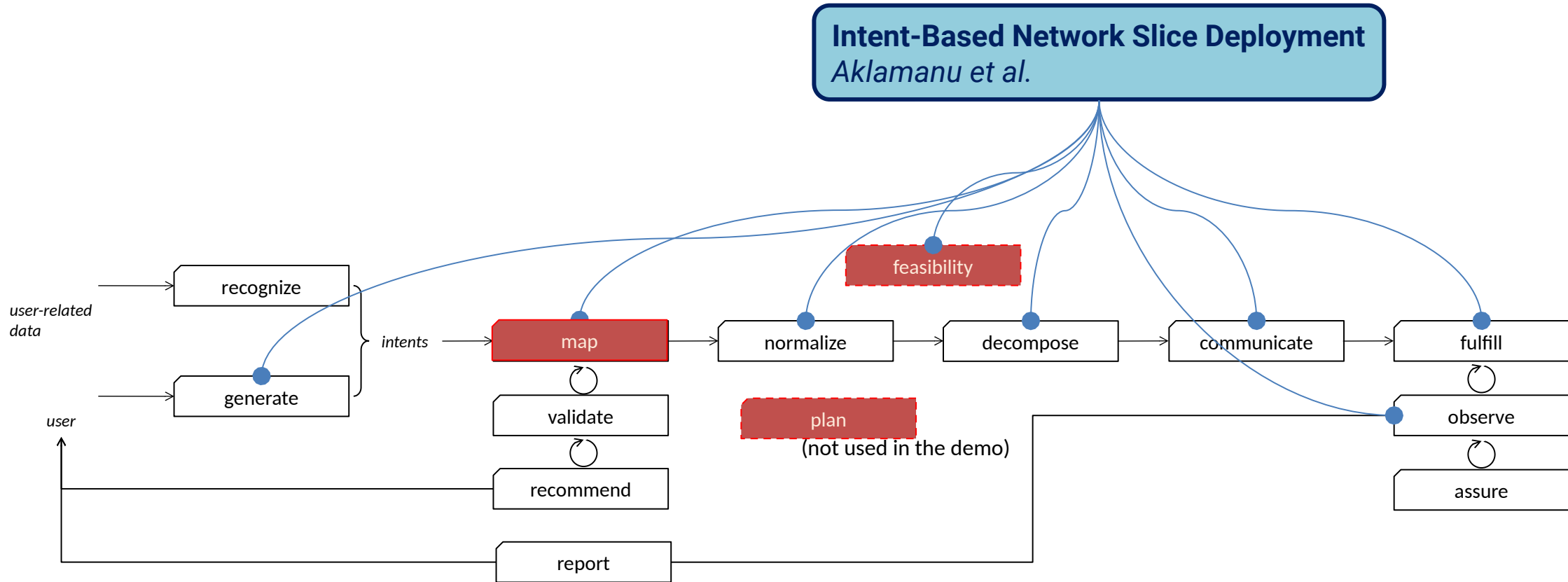


Multi-layer IBN in NFV ecosystem
Martini et al.

Self-Generated Intent-Based System
Bezahaf et al.

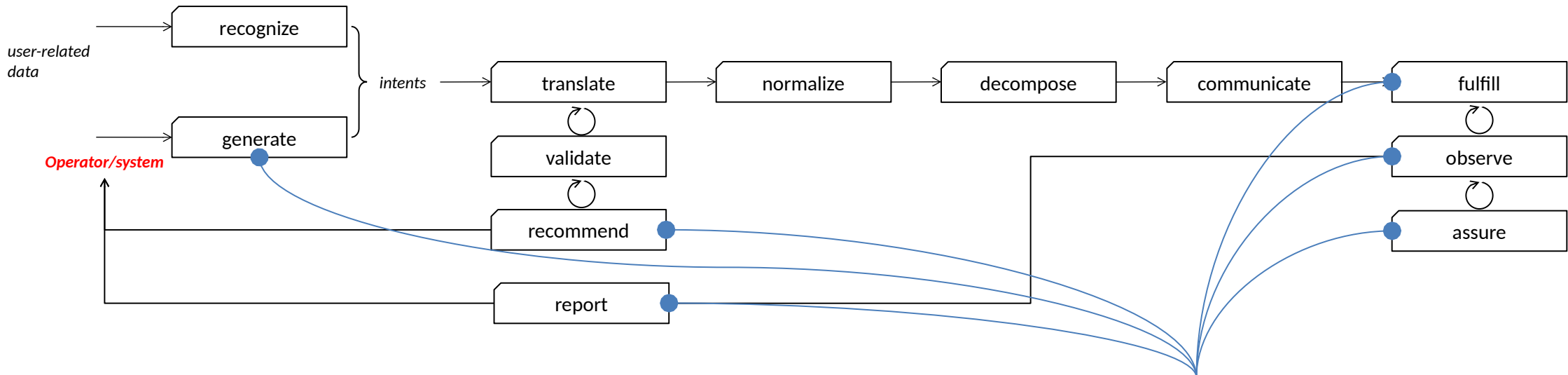
+ add other existing/known tools not presented at this meeting
e.g. NILE, Jacobs et al.

Demo 1



+ add other existing/known tools not presented at this meeting
e.g. NILE, Jacobs et al.

Demo 2

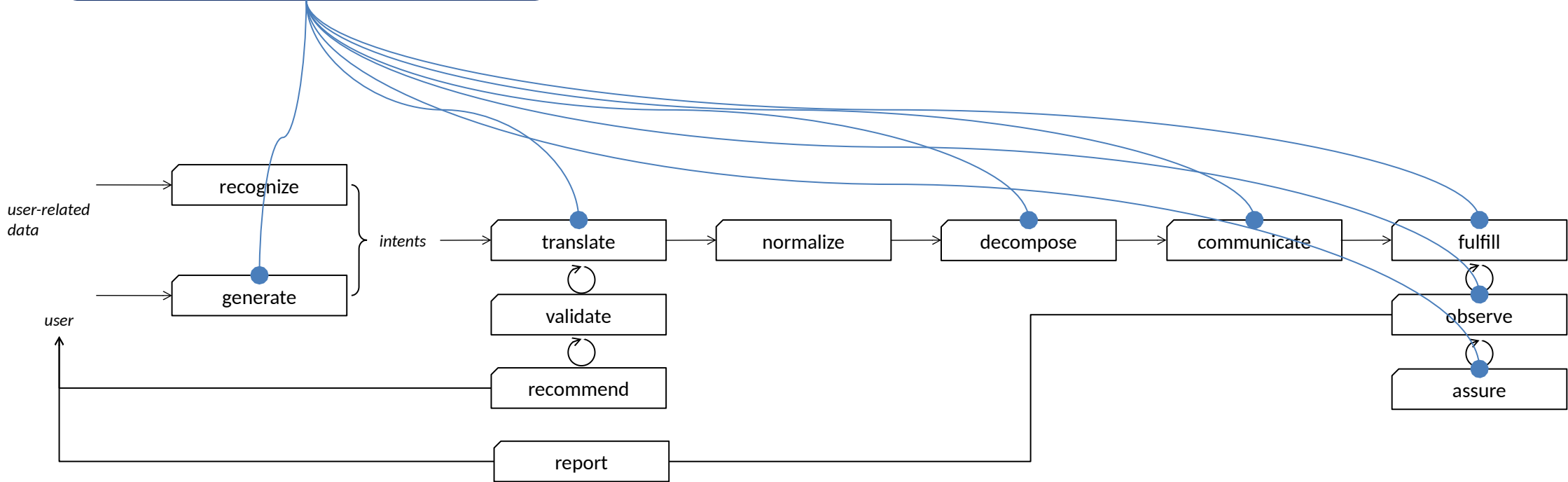


Self-Generated Intent-Based System
Bezahaf et al.

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Demo 3

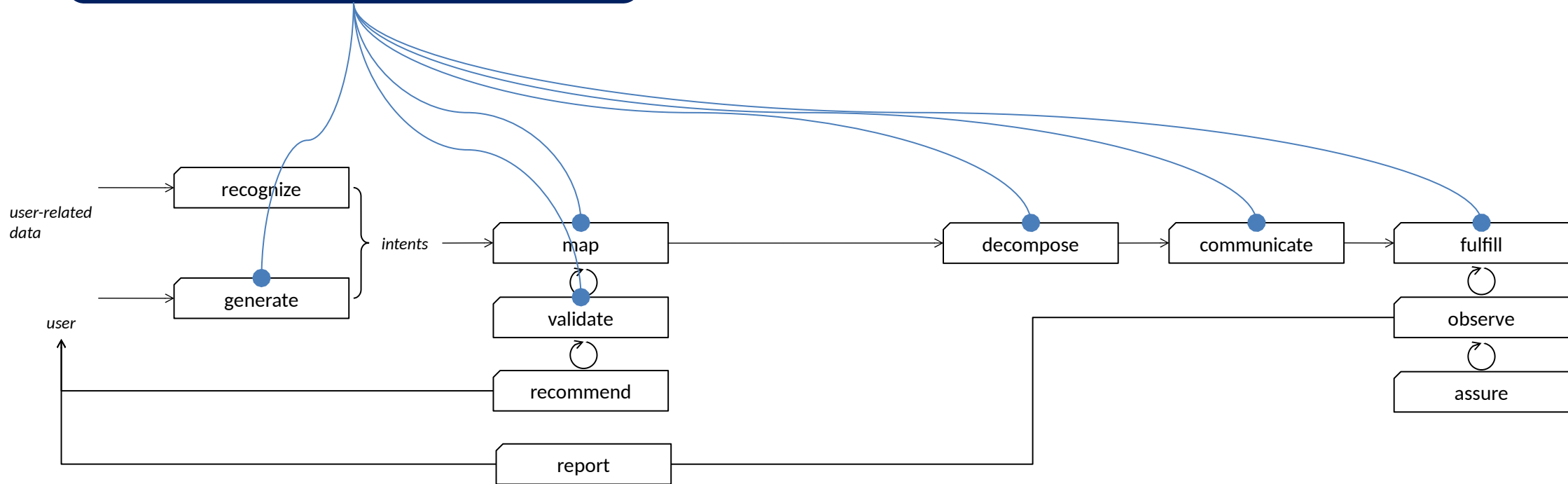
Multi-layer IBN in NFV ecosystem *Martini et al.*



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e.g. NILE, Jacobs et al.

Demo 4

Intent-based Service Function Chaining *Borsatti et al.*



+ add other existing/known tools not presented at this meeting
e.g. NILE, Jacobs et al.

Technology domains mapping

- e.g. SDN, NFV, SFC, Network Slicing, IoT...
- e.g. access, core, transport, data center...
- e.g. specific protocols
- e.g. specific “platforms” ONOS, OSM...

IBN Tool Data Sheet

- IBN problem addressed
- Target stages in intent lifecycle
- Techniques and languages used (e.g. NLP, PCA...)
- Use or extension of standards specifications and protocols
- Intent format(s)/formalism used or recommended + intermediate **transformation of intent**, plus eventual proposed extensions, ontology/info models, data models
- Link with other IBN tools
- Supporting and enabling tools/platforms: ONOS, OSM, GBP, open source and/or proprietary
- Technological or functional domain(s): SDN, NFV, IoT, NS, DC, Security...

IBN Tool Taxonomy Mapping

- Relate to “Intent Classification”, draft-li-nmrg-intent-classification-01