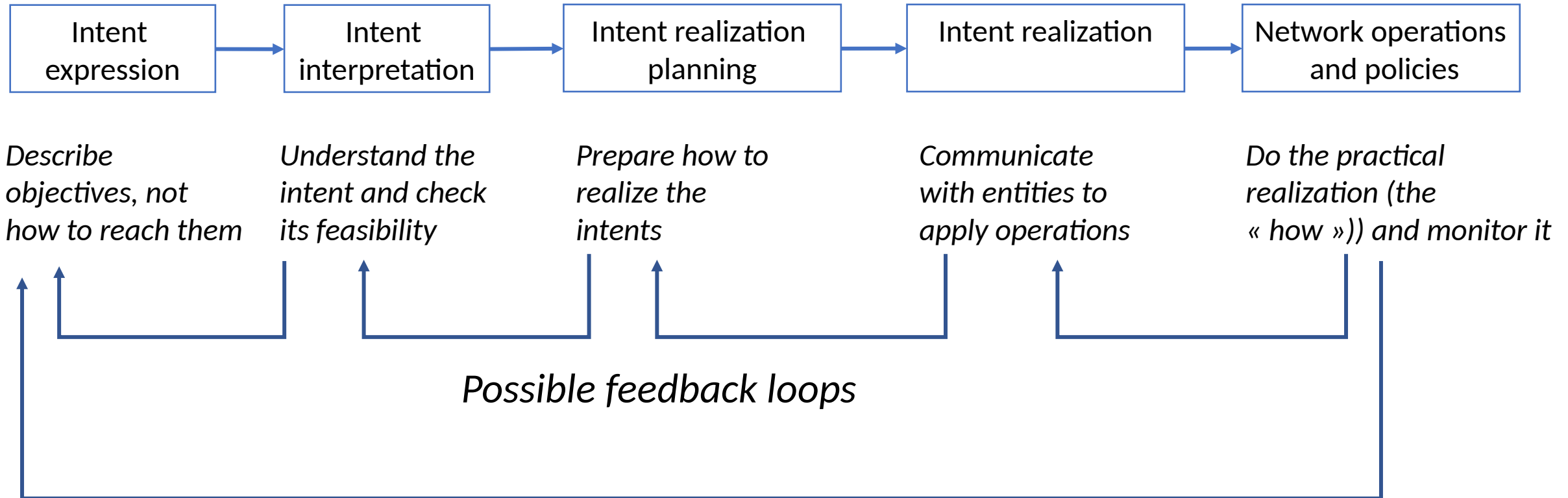


# NMRG IBN Workplan

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NMRG workshop@NoF, 03/10/2019

# Tentative lifecycle



- Nothing fully defined yet
- But pave the way of actions to perform in NMRG

# Tentative IBN workplan

- **How to call stuff**

- document(s) on terminology/taxonomy

- **How to express/model intent**

- information model, grammar, languages

- **How to realize Intent Based Systems**

- “reference” functional architecture, functional blocks/components, mechanisms/techniques, theory of operations/lifecycle

- **Additional work items could also investigate**

- functions and techniques (AI, smart telemetry...) ; use cases ; what are the challenges and corresponding research items

- **Extend/Update with:**

- Problem statement, scope, design challenges and goals
- Concepts definition
- Intent at design and run time, impact of CI/CD(?)
- Interoperability
- Continuous measure/validation of intent realization
- Evaluation, implementation

Intent classification  
*draft-li-nmrg-intent-classification*

An intent-driven  
management framework  
*Draft-sun-nmrg-intent-  
framework*

Intent Based Networking -  
concepts and overview  
*draft-clemm-nmrg-dist-  
intent*

# How to progress?

- Ongoing discussions to refine the work items  $\Rightarrow$  pave the way for rechartering by the end of year
- Are we missing some aspects of IBN?
- What are the most valuable aspects to work on?
- Collaborations with other communities:
  - Standardization fora, academic and open-source communities...
  - Mutual benefits
- Documentation to cover work items
- Tool development, hackathon