

# PROTOGENI MEASUREMENT PROJECTS

*“(un)common knowledge”*

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# MEASUREMENT PROJECTS

- InstrumentationTools
- MeasurementSystem
- OnTimeMeasure
- LAMP
- ScalableMonitoring



# WHAT'S COMMON?(1)

## – Node resident measurement agent

- aka node beacon or sensor pod or measurement library or measurement point
- primary function:
  - to act as endpoint for generating measurement probes
- primary requirements:
  - extensible
  - configurable

## – Measurement Controller

- aka root beacon or sensing information manager or measurement controller or
- primary functions:
  - schedule measurement invocations
  - Invocation access control
- primary requirements:
  - access policy driven



# WHAT'S COMMON?(2)

## – Measurement Archive

- store for measurement data
- primary functions:
  - respond to experimenter queries
  - data visualization
- primary requirements:
  - expressive and rich query interface



# NOT SO COMMON ?

- Passive measurements
- Inference based measurements
- Measurement overhead control



# INTERESTING QUESTIONS

- Single shared instance v/s one instance per sliver
  - deployment issues
  - measurement accuracy
  - measurement overhead
- measurement invocation mechanism and protocol

