

# WP1 Status

Brian Trammell (ETH)

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measurement and architecture for a middleboxed internet

measurement

architecture

experimentation

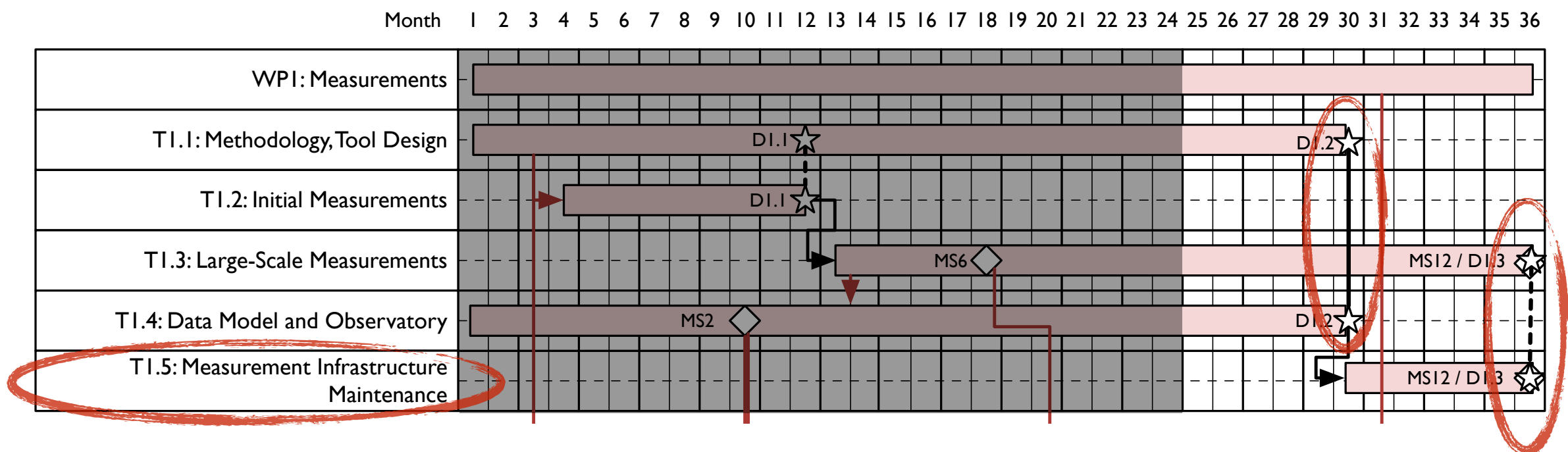


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# We Are Here



- D1.2: "Measurement Tools, Middlebox Observatory, and Data Model" moved to June 2018, covers design and implementation of PathSpider + PTO (since they share a data model) as well as other tools.
- New task: transition measurement tools and PTO to maintenance after D1.2
- D1.3: "Final Report on Measurement and Deployment" moved to project end, wraps up work in WP1.

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## D1.2 Measurement Tools, Middlebox Observatory, and Data Model



- This one is about tool design and implementation
  - Observatory design and data model to be refined from IMC submission
  - PathSpider design and data model to be refined from ANRW/TMA/JOSS submissions
  - Other tools by reference to previous papers and deliverables?

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## D1.3 Final Report on Measurement and Deployment



- Results go here:
  - PathSpider studies on DO/MONROE/other infra
  - PathSpider + OONI?
  - Reference to copycat/tracebox/Revelio results
- Structure: summary and high level results with references to publications if we have them.

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# Measurements To Do



- Two years in, we've got a better idea of what breaks on the Internet now
- PathSpider on MONROE
- Continuous ECN/DSCP measurements with new PTO
- TFO again?
- Other Pathspider stuff?

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# Analysis To Do



- Load everything into the PTO (see next presentation)
  - tracebox normalizer
  - copycat normalizer?
  - PathSpider+tracebox analyzers
- Write analyzers to look for path impairment correlation
  - "Does ecn.connectivity.broken imply dscp.rewrite...?"

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# Papers To Write



- TMA 2018: report on ECN/DSCP measurements done with Pathspider + integrated Tracebox (16 Feb)
- ACM CCR: "Transparency as a Measurable Property of Internet Paths" (March?)
- IMC 2018: PTO design + implementation + path correlation paper (in May?)