

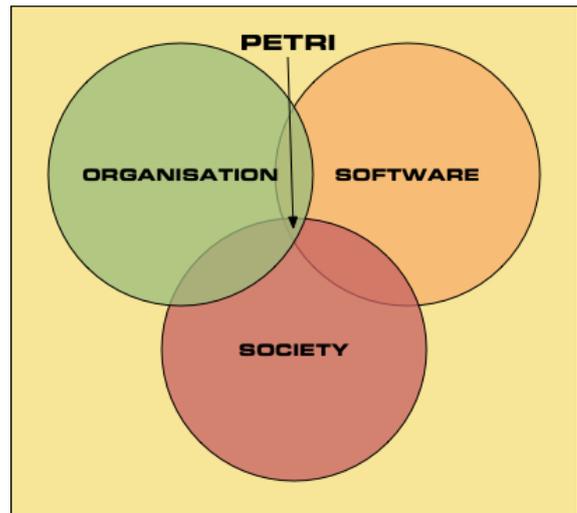
PETRI Framework from The Labrary

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Three Systems

As software has “eaten the world”, our ambitions as its creators have become grander. Any processes may be open to automation or disruption; any decision may be augmented or replaced by Artificial Intelligence inference. As software is introduced into these domains, more data is available, our understanding changes, and the processes and decisions themselves evolve.

The increase in software’s reach means higher expectations. Customers subscribing to online services expect to see tangible value in return for their fees, and businesses demand return on their investment in a software product or computer-augmented process. Meanwhile, software’s impact on society is coming under increasing scrutiny, as law and policymakers grapple with ethics and access issues.



A software team can no longer consider its output to merely be the software artefacts it creates and releases. Organisations producing software are working with three complex systems—the software, the team making the software, and the people using and impacted by the software—and a change in any one of those systems can ripple throughout the network.

PETRI Framework

Navigating this complex and emergent space means being ready for any change in one domain making an impact in a distant, seemingly-unrelated system. Proactivity must be supported by reactivity, and activation by observation. The Labrary has developed the PETRI Framework to support decision makers in choosing a path that supports:

- **People** and society who use and are impacted by your products;
- **Emergent Behaviour** across the three systems;
- **Team** interactions with each other, their stakeholders, and the software;
- **Responding** to change, wherever it comes from; by taking and using
- **Information** strategically gathered, combined and enriched from across the three systems.

Adopting the PETRI Framework means seeing into the future and knowing how change from anywhere will affect your organisation. Contact the Labrary today for an initial assessment and to learn more.

About the Labrary

The Labrary is a consultancy for commercial and research software teams, based in Warwick in the West Midlands. Head Labrarian Graham Lee draws on 15 years of experience in software engineering to show your team how to combine experimentation in the lab with research in the library to streamline your organisation and close the gap between emerging technology and tangible results for your customers.