Risk/Impact Dynamics

Anastássios Perdicoúlis
Assistant Professor, ECT, UTAD (http://www.tasso.utad.pt)
Senior Researcher, CITTA, FEUP (http://www.fe.up.pt/~tasso)
Visiting Researcher, Oxford Institute for Sustainable Development, OBU, UK

1 Overview

Systems Planning℠ (SP), impact assessment (IA), and project management (PM) share common ground regarding causality (e.g., cause-and-effect relations) and procedures (e.g., project). Despite their distinct emphases, they complement each other and naturally build synergy — e.g., enhanced understanding (e.g., dynamics, stakeholders), formal problem definition (e.g., ‘XYZ’), and a system-wide action plan (e.g., risk/impact mitigation) (Perdicoúlis, 2014e).

The course uses a selection of Systems Planning℠ modules — i.e., workshops (e.g., Reverse Blueprints™, Decision Logic™, Risk/Impact Tracing™) and masterclasses (e.g., Indicators/Indices™, Risk/Impact Mitigation™, Insight/Innovation™) — to express graphically how risks/impacts are likely (or thought) to arise from proposed action, thus facilitating the construction, understanding, verification, and refinement of the causal argument in accompanying documents (e.g., impact statements), both at the strategic and tactic levels (Perdicoúlis, 2014c).

Competences are required and reinforced in the course: (a) Base Skills™ (e.g., action, acumen, communication); (b) dynamic autonomy designated as Competitive Advantage™; (c) integrated multi-dimensional maturity designated as Haute Culture™ (Perdicoúlis, 2014d).

2 Teaching and Assessment

Mode Interactive classes (Perdicoúlis, 2016)

Assignments A preliminary and a final report on a particular case study (§ 3)

Delivery PDF by email, two weeks after the conclusion of the respective session

Criteria Traceability, objectivity, precision, accuracy (Perdicoúlis, 2012b)

* Founder & Trustee, Systems Planning℠ (http://systemsplanning.org)
3 Programme

S01 Introduction
S02 Reverse Blueprints™ (workshop) — system structure/ function
S03 Decision Logic™ (workshop) — reasoning protocols
S04 Risk/Impact Tracing™ (workshop) — how risks/ impacts arise [A: project]
S05 Risk/Impact Tracing™ (workshop) — how risks/ impacts arise [B: plan]
S06 Strategy Board™ (workshop) — positioning on a situation
S07 Indicators/ Indices™ (masterclass) — mastering systems
S08 Risk/ Impact Mitigation™ (masterclass) — mastering systems/ action
S09 Insight/ Innovation™ (masterclass) — mastering situations
S10 Practice issues/ discussion
S11 Conclusion

4 Diagramming Software

Graphviz (multi-OS) auto-layout; [code]
Instaviz (iOS/iPadOS) WYSIWYG, auto-layout
Concepts (iOS/iPadOS) manual drawings in vector format
OmniGraffle (macOS) WYSIWYG, auto-layout
LibreOffice Draw (multi-OS) WYSIWYG
TikZ/ L\LaTeX{} (multi-OS) [code]

5 References and Further Reading


Systems Planning℠ (website) [http://systemsplanning.org](http://systemsplanning.org)