

## 1. Introduction

- a. Introduce the prevalence of ION research
  - i. Increasing attention for ION governance structures
  - ii. Increasing body of literature around ION
  - iii. No unified ION theory
  - iv. Indication that ION-ing is not per se the right form
  - v. Need for further research
- b. Further research
  - i. Direction: social focus, as suggested by literature
  - ii. Lags in contemporary research
  - iii. Possible application of other views/paradigms, short introduction to the E.T.
  - iv. Indication for the proposed research direction
- c. Outline of proposal
  - i. Framework
  - ii. Proposed research
  - iii. Intended realization

**Opmerking [A1]:** What theme do I want to enter and why?

**Opmerking [A2]:** What is the current state of ION-research?

**Opmerking [A3]:** In what direction do I think ION research should head and why?

**Opmerking [A4]:** What is E.T. and why is it relevant for ION research?

**Opmerking [A5]:** What direction should I therefore go?

**Opmerking [A6]:** How is this proposal set up?

## 2. Framework

- a. ION
  - i. Complex and opaque phenomenon
  - ii. Different authors,
    1. classifiable into different perspectives (economic, social, environmental) (Oliver, 1990)
  - iii. Economic perspective
    1. include resources → social capital → innovation industry
    2. include 'optimum'
    3. therefore not complete, need for social sciences → relational aspects
  - iv. Social perspective (see also: 1.b.i)
    1. include trust
    2. include asymmetric relations (power)
    3. include proximity
    4. include embeddedness (micro)
  - v. environmental perspective
  - vi. structure
    1. IORs (as part of IONs)
    2. populations (difference with ION)
    3. difference with IONs (micro vs meso level)
  - vii. definition
    1. umbrella term → there are more network types
    2. Network level (meso)
- b. ION dynamics
  - i. What is it?
  - ii. Social processes
  - iii. Change of networks
  - iv. Success of networks → survival (e.g. Silicon somewheres)
- c. Explanation by common theories of ION dynamics
  - i. General
    1. What does this theory try to explain?
    2. What is its core?
  - ii. Neo-classic theory
  - iii. Transaction cost theory
  - iv. Resource dependency theory
  - v. Social exchange theory
  - vi. Institutional theory

**Opmerking [A7]:** In what context is my proposed research embedded? Why do I tell this?

**Opmerking [A8]:** What is an ION?

**Opmerking [A9]:** What is the contemporary state of ION definition and how can it be structured?

**Opmerking [A10]:** How are IONs looked at from an economic perspective?

**Opmerking [A11]:** How are IONs looked at from a social perspective?

**Opmerking [A12]:** What characterizes ION's structure?

**Opmerking [A13]:** What are IORs and what is its difference from IONs?

**Opmerking [A14]:** What are populations and what is its difference from IONs?

**Opmerking [A15]:** Up to this point, how will I define IONs?

**Opmerking [A16]:** On what level should IONs be looked at?

**Opmerking [A17]:** What are ION dynamics?

**Opmerking [A18]:** How can the common theories explain ION dynamics?

- vii. Population ecology
- viii. Evolutionary economics
- ix. Overview
- x. Shortcomings
- xi. Promising value of E.T. (success in sociology?)

**3. Proposed research**

- a. **Problem definition**
  - i. Shortage of explaining theories on network dynamics
  - ii. No concept of ET application on ION dynamics
- b. **Research objective**
  - i. Develop a ET analogy for application in ION dynamics from literature review in order to be better able to explain why ION develop as they do.
- c. **Central research question**
  - i. How can ION dynamics be explained from an ET perspective
- d. **Justification and relevance**
  - i. Different authors point to usefulness of social sciences
  - ii. ~ social effects in IORs
  - iii. ~ usefulness of humanities (ET etc.)
  - iv.
- e. **Methodology**
  - i. Explorative, qualitative, non-experimental, evaluative literature research
  - ii. Beyond modernistic, theorizing into a new paradigm
  - iii. Iterative process, containing elements of Grounded Theory
  - iv. 4 stages:
    1. Sensitizing concepts
    2. analyze/code data/theoretical sampling
    3. theorizing/concluding
  - v. + questions one should ask oneself when reading the literature (what to search for besides sensitizing concepts)
  - vi. Dataset: ISI journals
- f. **Justification and relevance**
  - i. See problem definition and motivation for this research
  - ii. **Justification: chosen methodology:**
    1. inductive need: no prior research, no classic 'test' possible a priori
    2. deductive: distill from existing literature
  - iii. **Justification: validity**
    1. internal ~
    2. external ~
    3. content ~
    4. construct ~
    5. reliability

**Opmerking [A19]:** What can these theories describe, and what can't they describe?

**Opmerking [A20]:** How can the E.T. overcome these shortcomings?

**Opmerking [A21]:** What do I want to research, why and how?

**Opmerking [A22]:** What's the problem?

**Opmerking [A23]:** What do I want to achieve with my research to solve this problem?

**Opmerking [A24]:** What is my central research question

**Opmerking [A25]:** Why is my research relevant and what makes it valid?

**Opmerking [A26]:** How do I want to execute the research?

**Opmerking [A27]:** How can I typify my research?

**Opmerking [A28]:** How can I place my research in the classic modernistic way of doing research?

**Opmerking [A29]:** Why is my research relevant and what makes it valid?

**Opmerking [A30]:** Why is my methodology the right way to answer my research question? What are its strong points, what are its weaker points

**Opmerking [A31]:** What consequences for the validities of my research does this methodology have?

**4. Intended realization**

- a. **Time frame**
- b. **Intended output**

**Opmerking [A32]:** How do I think I will can realize this research

**Opmerking [A33]:** What is my time plan?

**Opmerking [A34]:** In what way do I want to finalize the research?