

# IN5500 oblig 12

Bjørn-Andreas Lamo

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The first paper is theoretical with concrete examples of why CSCW should embrace infrastructures. The second paper how we use artifacts as an ecology on a personal level. Note that the first paper also advocates for artifact ecology.

## 1 From Artefacts to Infrastructures

CSCW has been largely focused on local groups with small size computer systems. However much funding and effort has gone into large multinational information infrastructures in recent years. This paper is an appeal to researchers to also study these large infrastructures.

## 2 Toward a Framework for Ecologies of Artifacts: How Are Digital Artifacts Interconnected within a Personal Life?

This study used two methods to group artifacts together; Personal Inventory(PI) and Ecology Map(EM). For an overview see *Fig 9. The compositions of artifact ecology*

### Ecological factors (PI)

1. *Information sharing*  
Artifacts sharing or accessing the same information makes them the same group
2. *Functional compatibility*  
Artifacts that are compatible with other artifacts/ecologies are valued
3. *Contextually/commonalty*  
Artifacts with the same context is grouped together
4. *Behavioural changes*  
Some artifacts afford the user other choices in their behaviour. These can be intentional or not

### Layers of Artifact Ecology (EM)

1. *Purpose of use*  
Artifacts of a similar purpose share the same group
2. *Contextual use*  
Artifacts context dictates their group
3. *Subjective meaning/sentimental*  
Artifacts that share the same subjective meaning are a group (e.g. gifts from a deceased relative)