View	Paradigm	Product	Project	Process
Value	Reflection	Transaction	Reasoning	Appreciation
Rationale: Why?	Challenge: It is hard to acquire labeled training data with features from ubiquitous devices suitable for human dynamics related MI modelling. Problem: It requires a lot of effort to obtain reality related data suitable for MI models. Every time someone need to gather new knowledge in this area, they have to create a system to facilitate the data collection and find people willing to participate.	 Key technologies: Smartphones Sensors in ubiquitous (mobile/wearable) devices GPS, accelerometer, gyroscope, Client/Server External sensors (IoT-devices) 	Vision: uMiner - A platform which facilitates customized data collection, through a specification, from sensors in ubiquitous devices and collection of labels with context such that the data is suitable for MI models. Warrant: Interested parties will be able to utilize the technologies to improve both scientific and commercial products by building better models for understanding human dynamics based on the collected training data.	Rationale review: Expectations: Context can be labeled by questionnaires MI models describing human dynamics can, with less effort, be created based on ubiquitous sensors and labels.
Strategy: What?	 Key elements: Snapshots of context (collection of sensor data with questionnaire answers) Questionnaires (to derive labels) Willing participants Campaign specification (of wanted training data) Enrollment Customers in need of labeled training data Snapshot upload 	 Key components: Sensor data gathering module Graphical interface for Digital Questionnaires Enrollment graphical interface Campaign specification declaration graphical interface Snapshot retrieval interface Service for upload of snapshots 	Justification: Backing: Easily configurable platform for specification Scalable Qualifier: No direct motivation for participants Rebuttal: The customers need to persuade the participants anyhow	 Strategy review: Expectations: The customers are able to persuade the participants to enroll in campaigns. The system is able to handle an increasing amount of customers and participants. The key components are sufficient to establish a platform that grants customers access to the training data they need.
Tactics: How?	 Key scenarios: Sensors in ubiquitous devices monitoring participants' contexts Participants answering questionnaires Customers specifying campaigns 	 Key features: Passive gathering of sensor inputs from ubiquitous devices Active labeling of gathered data Storing and distribution of snapshots Storing and distribution of campaign specifications	 Key mapping: Monitoring participants' contexts rely on passively gathering sensor data and storing them persistently Active labelling of gathered data rely on answers of questionnaire Storing and distribution of campaign specification rely on customers specifying campaigns 	 Tactics review: Expectations: Passive gathering of sensor input and active labeling will be possible if the customers have specified a campaign and the participants are being monitored and answer questionnaires. uMiner will monitor the context of the participants and have them answer questionnaires based on how the customers specified the campaign.