

Experience-based social and collaborative performance in an 'electronic village' of local interest: The eKoNEΣ framework

<u>Authors</u>

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Bresentation Plan

- Rationale and context of the work
- The Virtual Organization
 - eKONEΣ as an experience factory
 - eKONEΣ squad organization
 - eKONEΣ experience organization
 - eKONEΣ architecture
- eKONEΣ village through a case study
 - Package Development workflow
 - Squad's collaboration
- Ongoing work
- Summary & Questions

Objective & research question

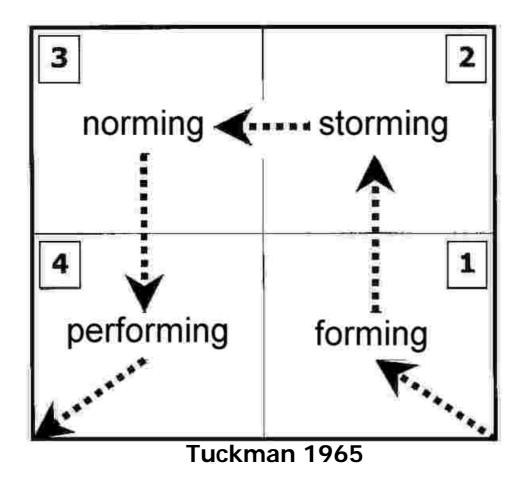
- Local electronic villages as unified collaborative spaces for managing electronic services of local interest / scale
- Rationale
 - Electronic villages
 - offer static information
 - Do not include collaboration between members
 - Do not allow the members to perform tasks
 - eKoNEΣ seeks to extend the conventional connotation of an electronic village so as to provide
 - an operational model of a virtual organization with strong social links between members and
 - focus on performing tasks to yield added-value products and services.



- Related work
 - Electronic Villages
 - BEV: Blacksburg Electronic Village (*One of the most popular Electronic Villages of local Interest which served as guide for different R&D projects*) http://www.bev.net/
 - EVA: The Electronic Village of Abingdon (Gives an example of virtual network for the construction of an electronic village) http://www.eva.org/
 - SEV: The Sylvania Electronic Village (graphical representation of an electronic Village through an ideogram) http://www.sev.org
 - DCEV: Dickenson County Electronic Village (classical paradigm of electronic village development by using its know how) http://www.dcev.net/
 - etc.

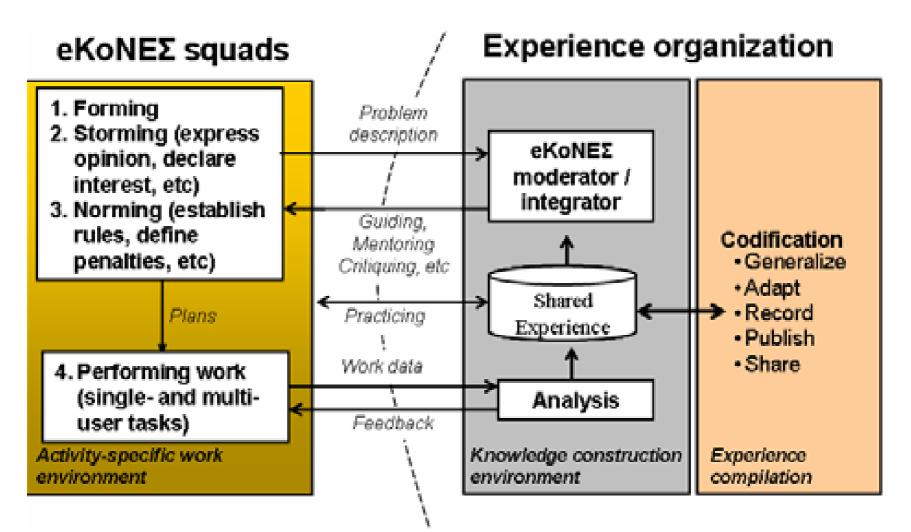


• eKONEΣ as an experience factory



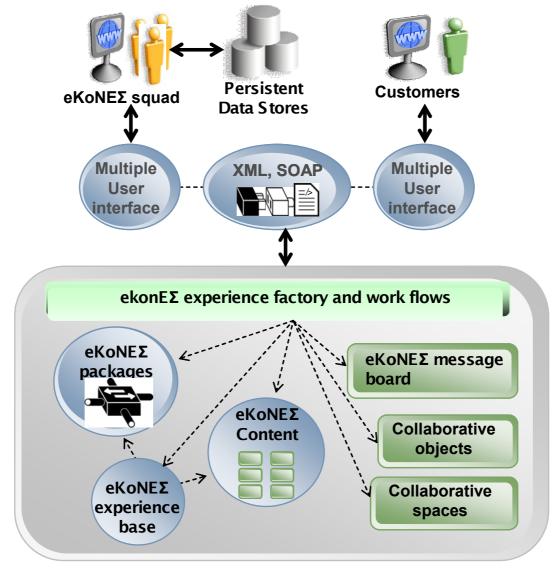


• eKONEΣ as an experience factory





eKONEΣ architecture

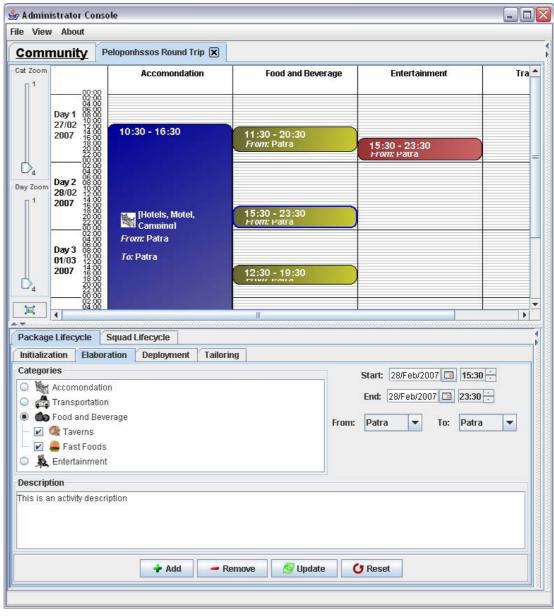


Sekones Package Development Workflow

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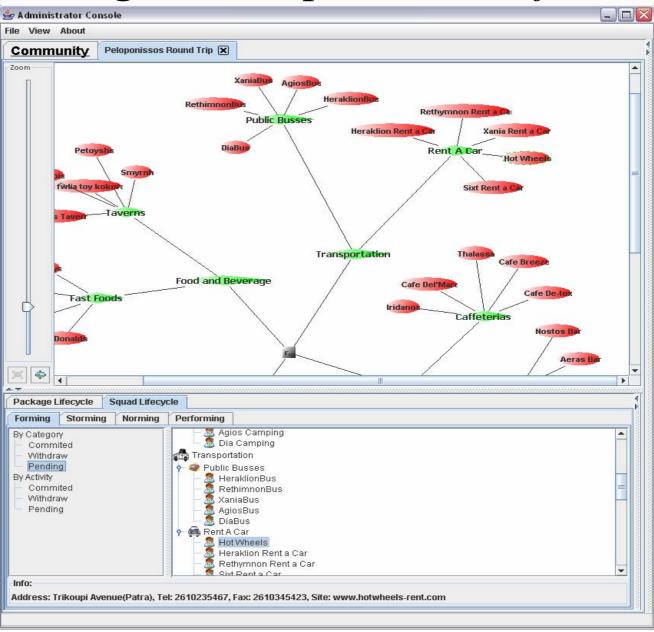
eKONES Package Development Workflow

Elaboration stage



Sekones Package Development Workflow

End of
 Elaboration
 start of
 Deployment
 stage



Sekones Package Development Workflow

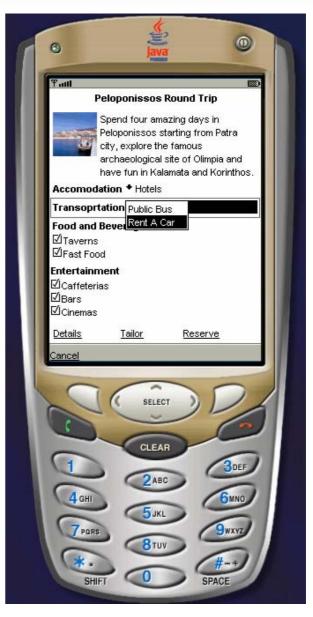
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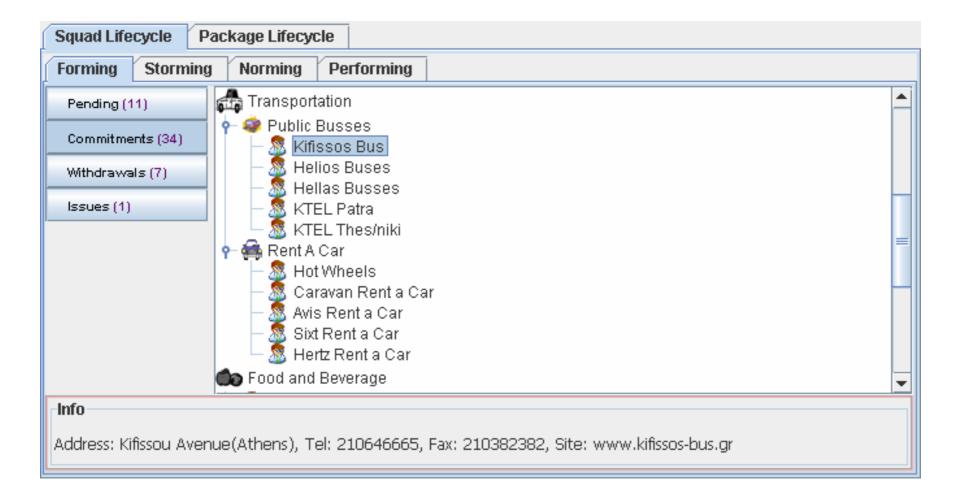
eKONEΣ Package Development Workflow

Tailoring & personalizing





eKONEΣ Squad's collaboration



Summary & contributions

In this paper we have attempted to:

- Sketch the organizational underpinnings of eKoNEΣ-Tourism a pilot effort aiming to build a local electronic village on tourism.
- Our primary design target is:
 - to set up an operational model for carrying out mission-specific social and collaborative activities and
 - to support this model with appropriate software platform and tools.
- In this effort, we have drawn upon sociological theory describing small group activities to understand the social dynamics in virtual teams and recent models for experience-based and reuse-oriented organizational engineering.
- On going work covers a variety of issues of both technological and organizational engineering character.
 - scaling up of collaborative exchanges across different platforms (i.e. mapping schemes for platform-specific presentation),
 - improved visualizations for activity awareness,
 - development of multiple user interfaces to allow concurrent access and review of shared resources using different devices.
- On the organizational engineering front, the issues pending attention include operational aspects of eKoNEΣ-Tourism such as
 - extensions in the basic collaboration model to establish on-line quality manuals,
 - mentoring,
 - support for negotiation, etc.



Thank you for your attention!

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