

OIKODOMOS TECHNOLOGICAL PLATFORM

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²LATEU Learning and Teaching Enhancement Unit, University of Southampton

Project description

-Project co-funded by the Long Life Learning Programme Virtual Campus 2007-2009, Executive Agency Education, Audiovisual and Culture, European Commission.

-Project partners:

- School of Architecture La Salle, Universitat Ramon Llull , SPAIN
(Coordinator)
- Hogeschool voor Wetenschap & Kunst, Department Architectuur Sint-Lucas, Brussels/Ghent, BELGIUM
- Institut d'Urbanisme IUG, Université Pierre Mendès, Grenoble, FRANCE
- Faculty of Architecture, Slovak University of Technology, Bratislava, SLOVAKIA
- KataliSys Limited, Southampton, UNITED KINGDOM
- NewMine Lab, Università della Svizzera Italiana, SWITZERLAND

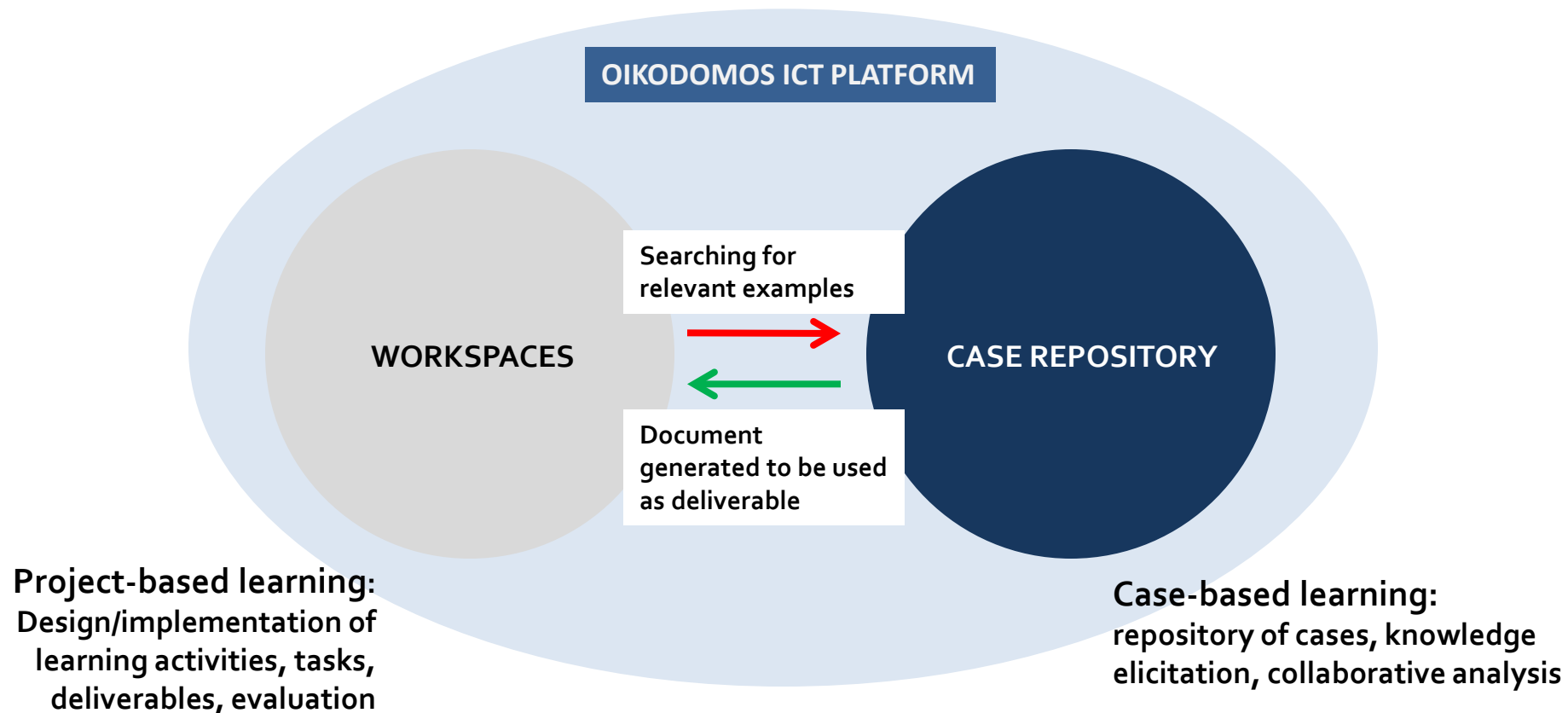
Project description

OIKODOMOS Virtual Campus:

The goal of the OIKODOMOS (“the builder of a house”) is to create a virtual campus to promote the study of dwelling at a European scale integrating on-line and face-to-face activities (blended learning).

Interrelating content, pedagogic methods and ICT tools in order to:

- Promote a student-centered model of education, and provide mechanisms for assessment and accreditation for the learning activities carried out in the Virtual Campus.
- Design and implement open-ended learning processes, based on a constructivist pedagogic model
- Focus on learning activities collaboratively designed and implemented, on and off-line
- Interlink the learning process with a learning platform specifically created for this project: Workspaces and Case Repository



New learning spaces and models which are born from the capacities that ICT offers: construction of knowledge in collaboration; interrelation of contents overcoming disciplinary boundaries; collaboration between learners; and communication of ideas by exploiting the capacities of multimedia.

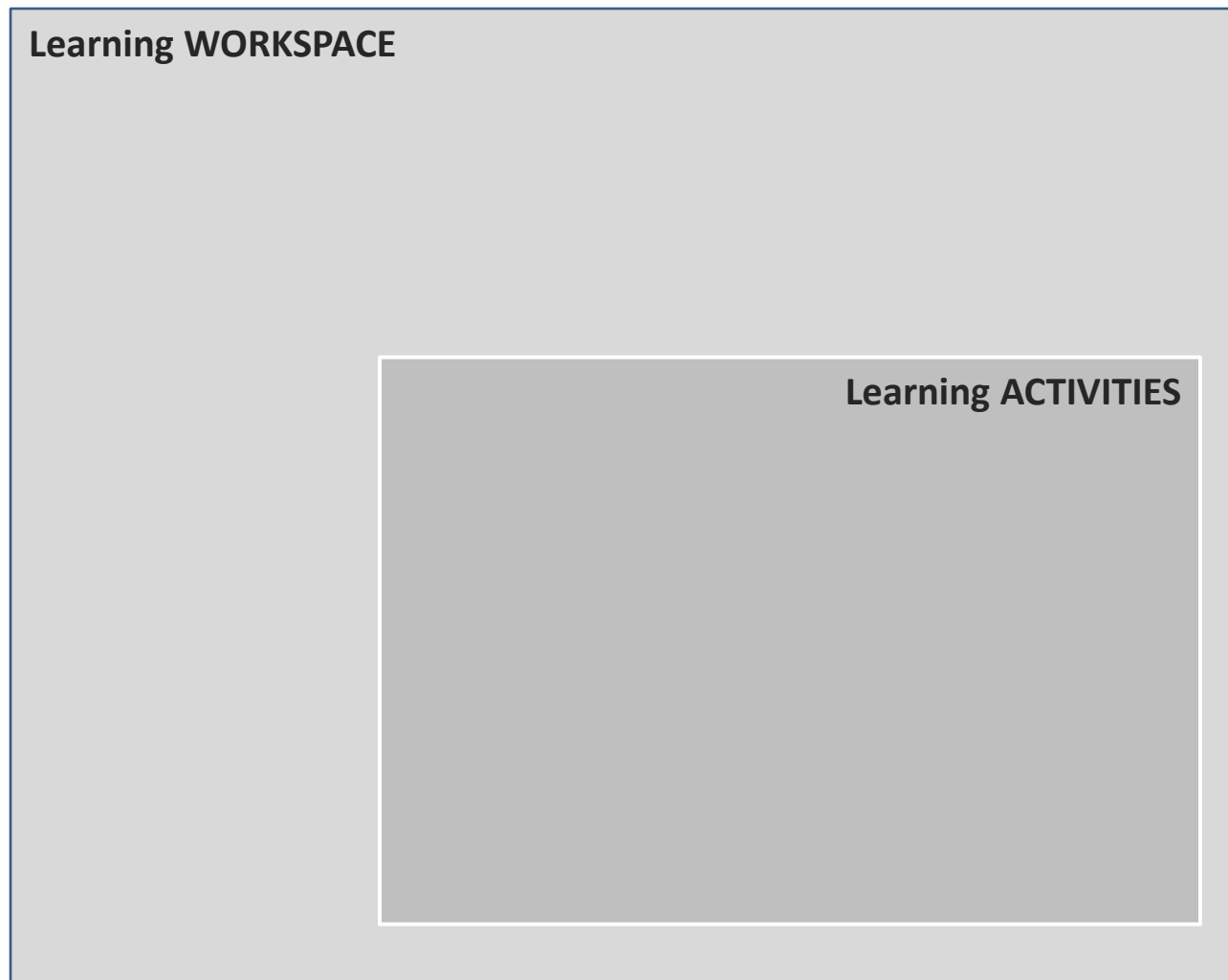
OIKODOMOS WORKSPACES

Pedagogic model

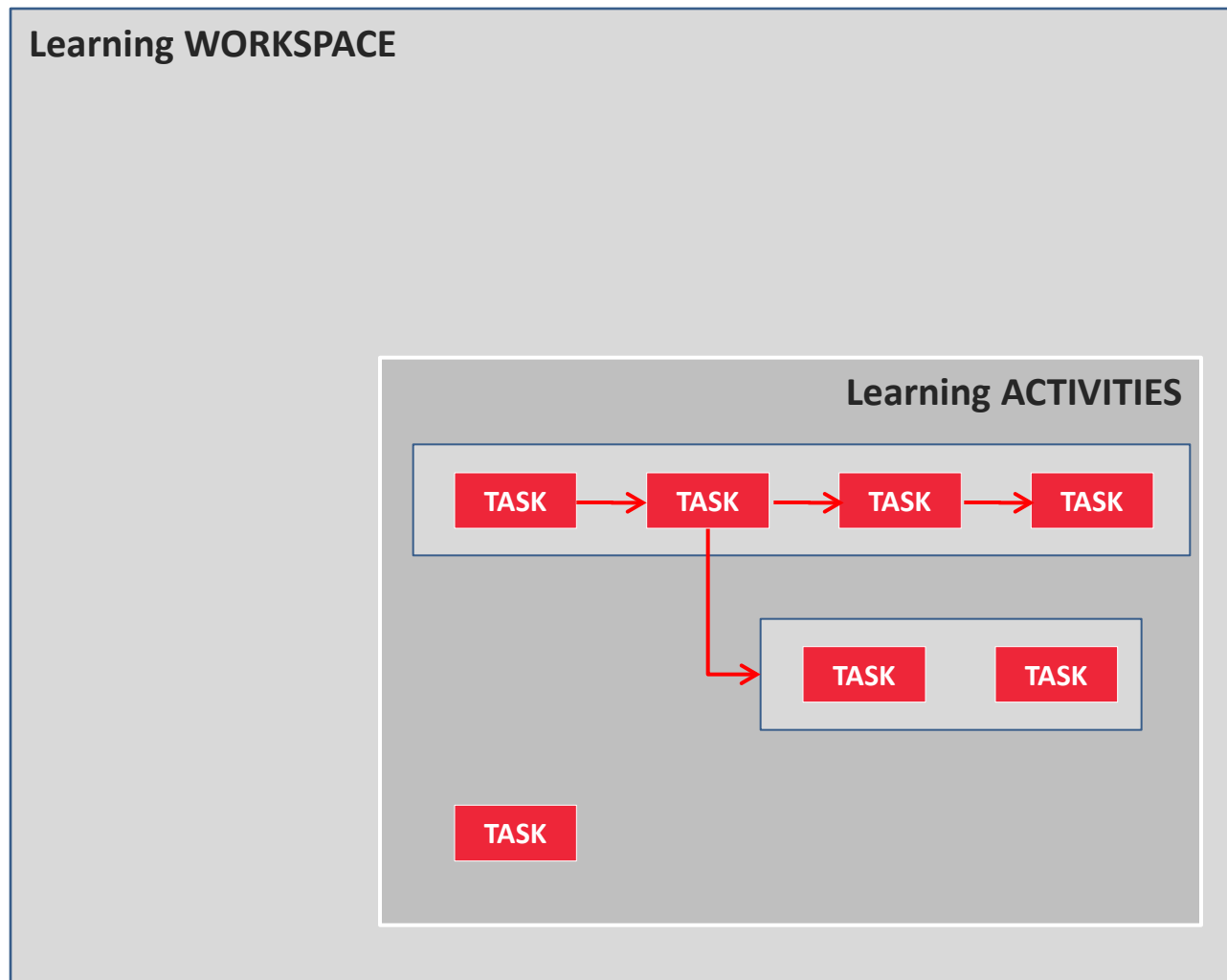
Learning WORKSPACE

A large, empty rectangular box with a light gray background and a thin dark blue border, representing the Learning WORKSPACE. The text "Learning WORKSPACE" is positioned in the top-left corner of this box.

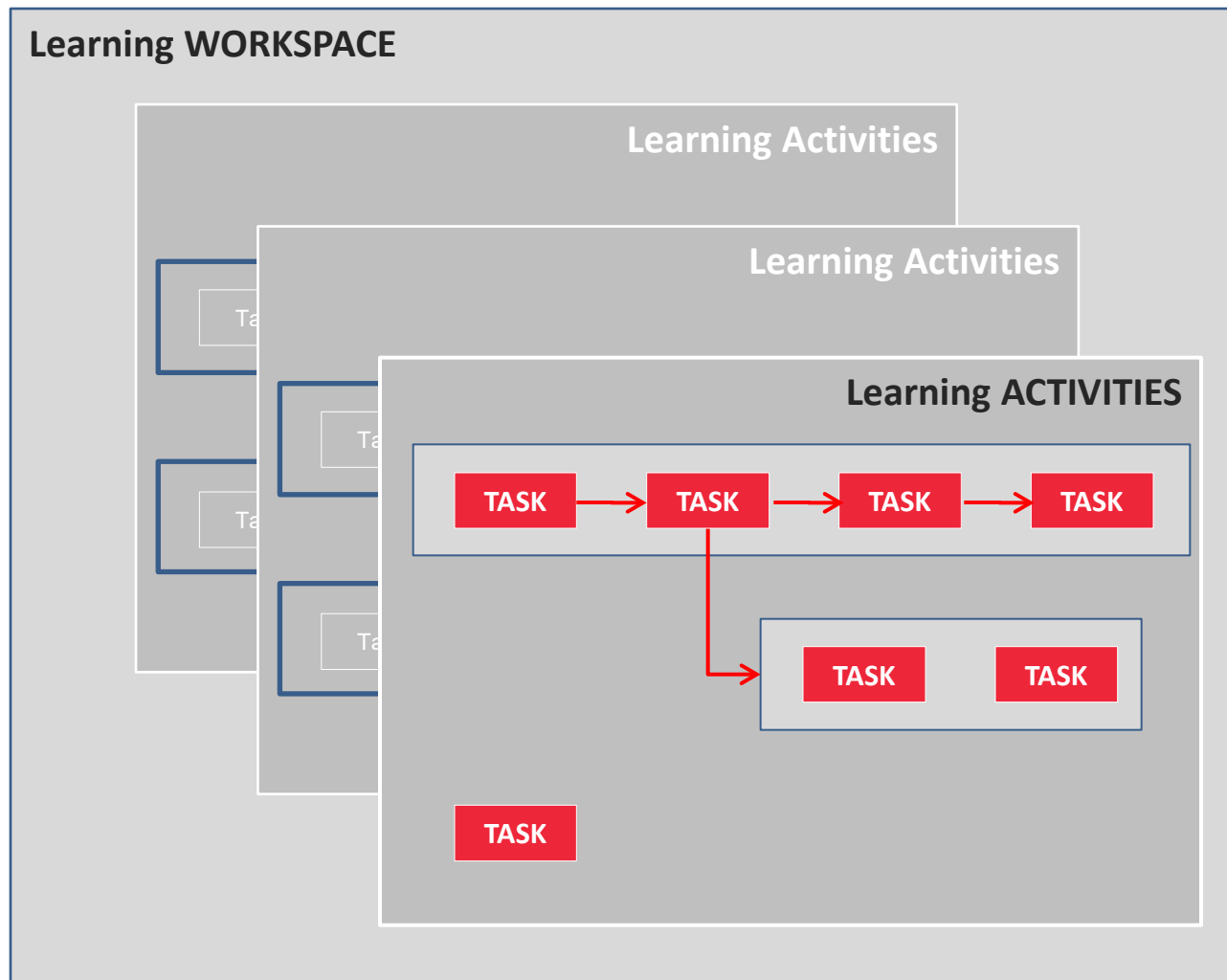
Pedagogic model



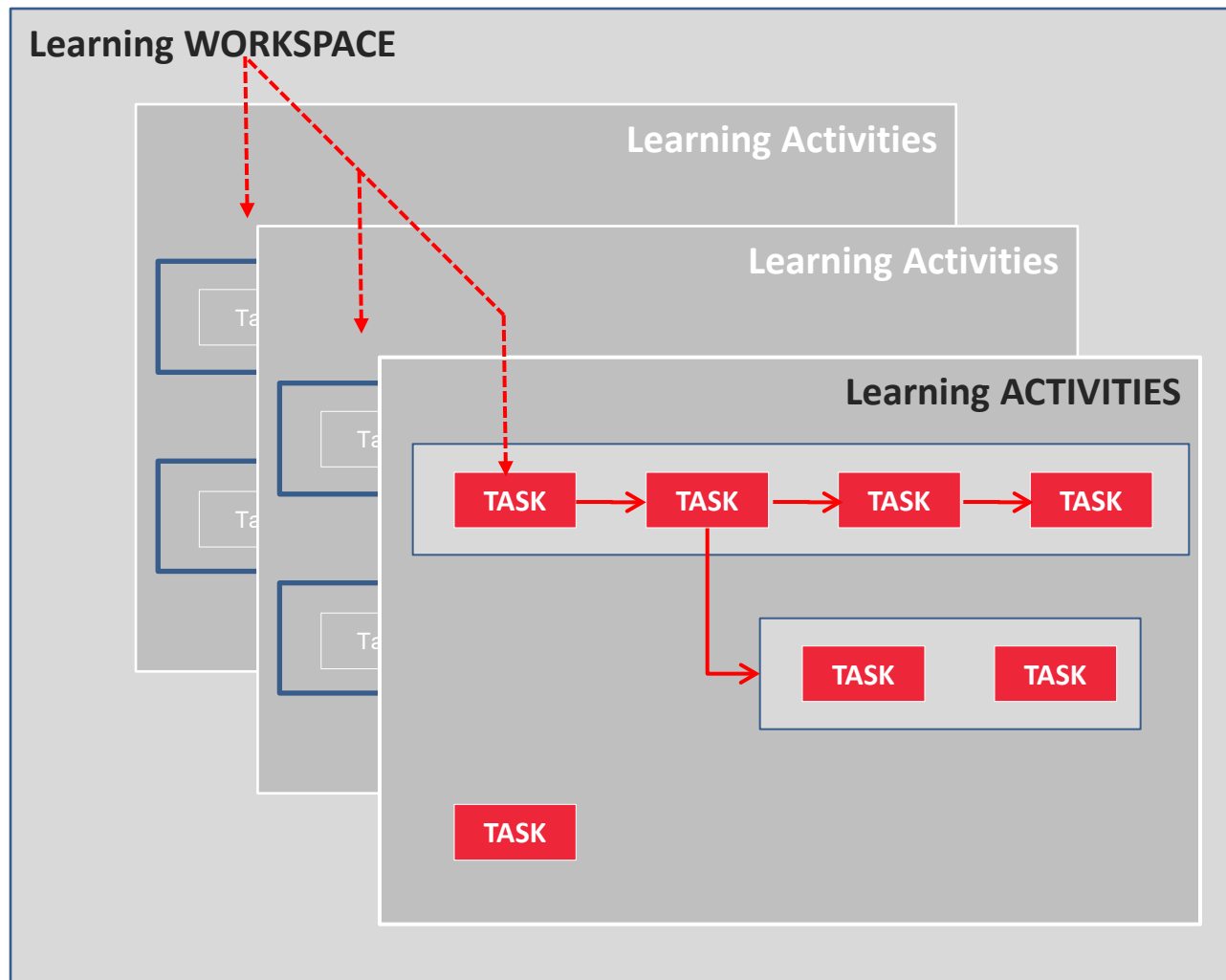
Pedagogic model



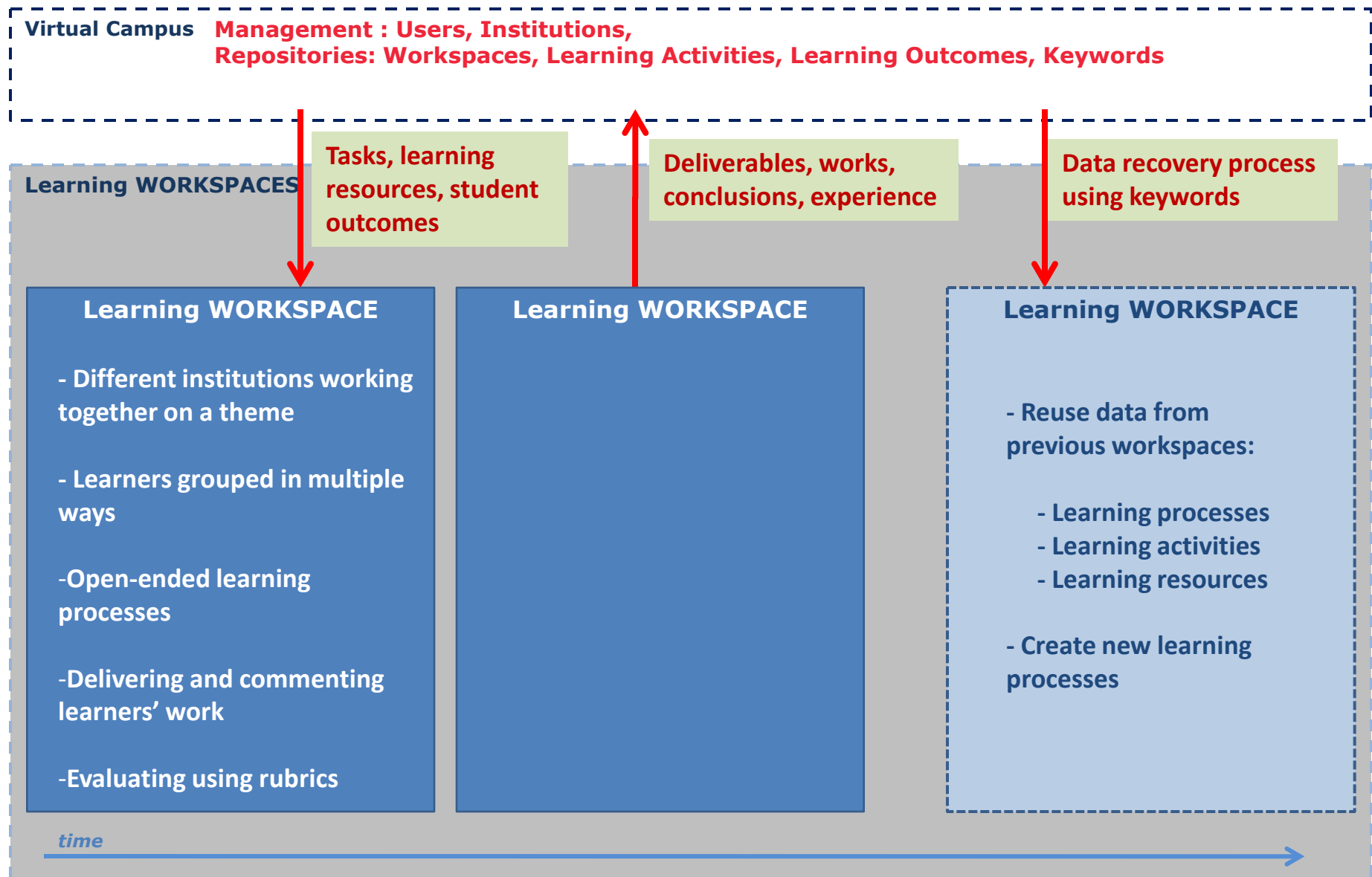
Pedagogic model



Pedagogic model



Workspaces



Bulletin Board

All | My Groups

Smet, Jao says on 05 November 2009

Students from Sint Lucas will upload their personal architectural strategies related to the masterplans (conceptual architectural strategy) and the final poster of design strategies which were analysed.

Madrazo, Leandro says on 02 November 2009

Groups: Seminar-La Salle ,

A new Task "Effective Housing: Case Studies" has been created. Deadline is Friday, November 6th.

Madrazo, Leandro says on 23 October 2009

Please remember to upload the final presentation of the workshop to the task Site Development Concepts. When you load the work on behalf of the group, you have to select the option "Group" in the submission process.

Smet, Jao says on 16 October 2009

The presentations of the lectures in Bratislava are uploaded. Please check them because they contain interesting information regarding the site and the theme effective housing.

Madrazo, Leandro says on 08 October 2009

We have created the Learning Activity Urban Strategies for the activities to be carried out during the Bratislava workshop. The first task for all participants in the workshop has been defined: Summarizing Site Analysis.

Madrazo, Leandro says on 02 October 2009

Students from La Salle have submitted their works for the Task "Critical Concepts".

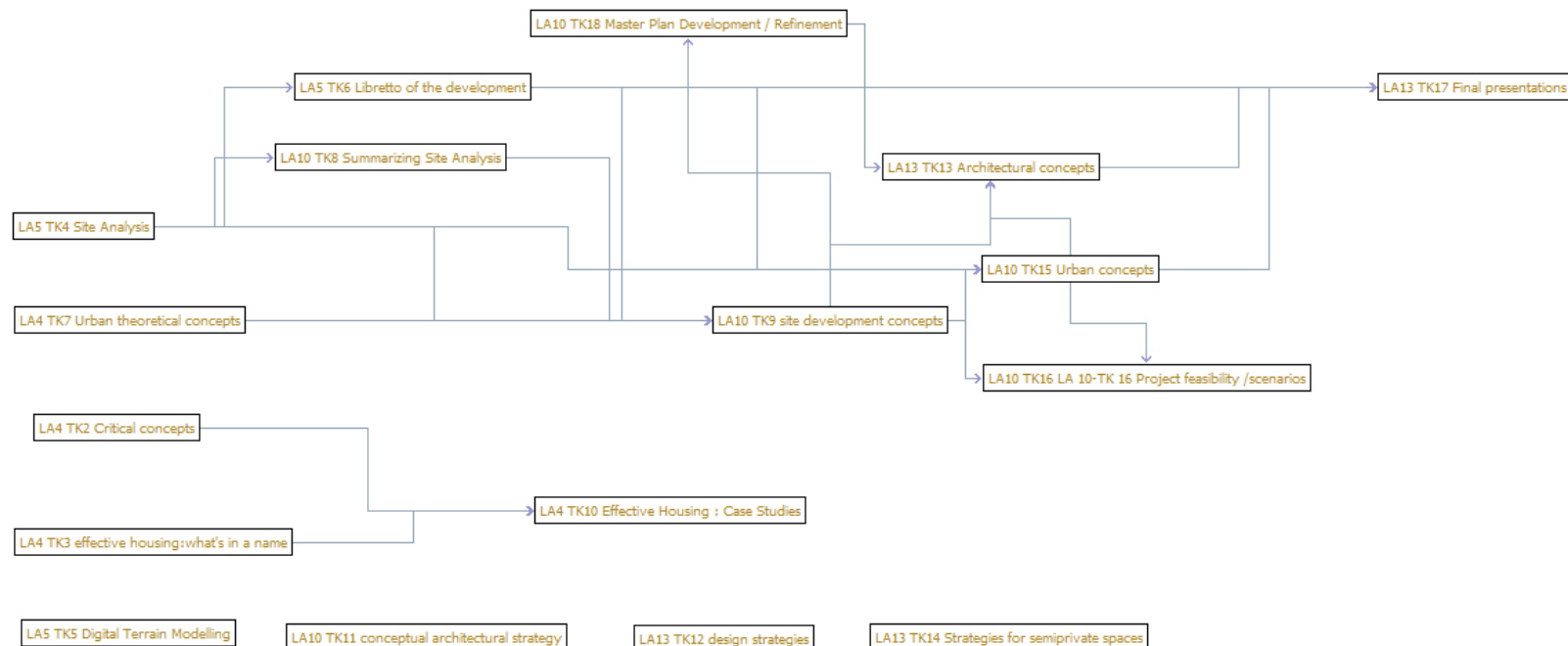
1 | 2 Next >>

Log Tool All | My Groups | My Works

13/11/2009	Joklova, Viera	modified	evaluation	site development concepts
13/11/2009	Joklova, Viera	added	evaluation	site development concepts
13/11/2009	Joklova, Viera	added	evaluation	site development concepts
13/11/2009	Joklova, Viera	added	evaluation	site development concepts
13/11/2009	Joklova, Viera	added	evaluation	site development concepts
13/11/2009	Joklova, Viera	added	evaluation	site development concepts
13/11/2009	Joklova, Viera	added	evaluation	site development concepts
13/11/2009	Joklova, Viera	added	evaluation	site development concepts
12/11/2009	Joklova, Viera	modified	task	site_development_concepts
12/11/2009	Carreyre, Michel	modified	group	IUG_OIKO-URBANO
11/11/2009	Van Caenegem, Kenneth	added	comment	conceptual architectural strategy
10/11/2009	Ghijs, Jonatan	added	deliverable	conceptual architectural strategy
09/11/2009	Stiels, Piere-Alexandre	added	deliverable	design strategies
09/11/2009	Verhulst, Renée	added	deliverable	design strategies
09/11/2009	Verhulst, Renée	added	deliverable	conceptual architectural strategy
09/11/2009	Stiels, Piere-Alexandre	added	deliverable	design strategies
09/11/2009	Madrazo, Leandro	deleted	evaluation	site development concepts
09/11/2009	Madrazo, Leandro	added	evaluation	site development concepts
08/11/2009	Vandewalle, Jorgen	added	deliverable	conceptual architectural strategy
08/11/2009	Pakdaman, Gaetan	added	deliverable	conceptual architectural strategy
08/11/2009	Pakdaman, Gaetan	added	deliverable	conceptual architectural strategy
07/11/2009	Verhelle, Heidi	added	deliverable	conceptual architectural strategy
07/11/2009	Vindevoghel, Elke	added	deliverable	conceptual architectural strategy
07/11/2009	Van De Weerd, Kristien	added	deliverable	design strategies
06/11/2009	Contreras, Ivon	added	deliverable	Effective Housing : Case Studies

1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 Next >>

Timeline | [List](#) | **[Sequence](#)**  (Save task screen position)



LA5 TK4 Site Analysis | [Martin Cojo, Angel](#) | Personal Task | 24 September 2009 to 31 November 2009



▼ [Description](#) ▼ [Predecessor Task](#) + ▼ [Successor Task](#) + ▼ [Keywords](#) + ▼ [Learning Outcomes](#) + ▼ [Materials](#) + ▼ [Groups](#) +

Deliverables of IUG OIKO-URBANO (11) Order by: [Date](#) ▼ | [Creator](#) ▲ | [Comments](#) ▲ | [Evaluations](#) ▲

Shamsuzzaman, Muhammad
07/10/2009



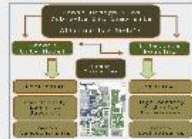
SiteSituation...

Yi, Yuan
07/10/2009



task1.pdf

Parés-Ramos, Isabel
06/10/2009



Manifest-1-P...

Pérez-Castro, Brenda
06/10/2009



PEREZ-CASTRO...

Sowa, Charline
06/10/2009



MANIFESTO1-S...

Serrano, Nicolas
06/10/2009



Task1.pdf

Carl, Susanne
06/10/2009



Task1-SCarl...

Deliverables of Seminar-La Salle (12) Order by: [Date](#) ▼ | [Creator](#) ▲ | [Comments](#) ▲ | [Evaluations](#) ▲

Gispert Vidal, Marc
09/10/2009



MARCISPERT...

Romero, Bruno
09/10/2009



TRANSPORT-CO...

Sánchez, Adrià
09/10/2009



ejercicio2-L...

Gimeno, Elena
09/10/2009



limits.pdf

Zariquely, Bibiana
09/10/2009



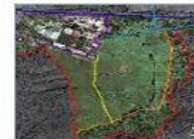
PRIVACY-anal...

Fernandez, Ester
09/10/2009



CONNECTIVITY...

Peña, Vidor
09/10/2009



Limits-Victo...

[Home](#) [Participants](#) [Groups](#) [Tasks](#) [Resources](#) [Learning Activities](#)

workshop group 3

Group Coordinator Teachers

Students



Task on group: workshop group 3 [+](#) [\(Add task\)](#)

LA10 TK9 site development concepts

Deliverables on task: site development concepts (3) Order by: [Date](#) [Creator](#) [Comments](#) [Evaluations](#)

workshop group 3
22/10/2009



OIKOGroup3Pr...
Co: 2

workshop group 3
22/10/2009



poster2.pdf

workshop group 3
22/10/2009



poster1.pdf

LA10 TK9 site development concepts | Smet, Jao | Group Task | 15 October 2009 to 30 November 2009

Description Predecessor Task Successor Task Keywords Learning Outcomes Materials Groups

workshop group 2

Deliverables of workshop group 2 (3) Order by: Date | Creator | Comments | Evaluations

workshop group 2
26/10/2009



GROUP2-WORKS...

workshop group 2
25/10/2009



GROUP2-WORKS...

workshop group 2
25/10/2009



Presentation...

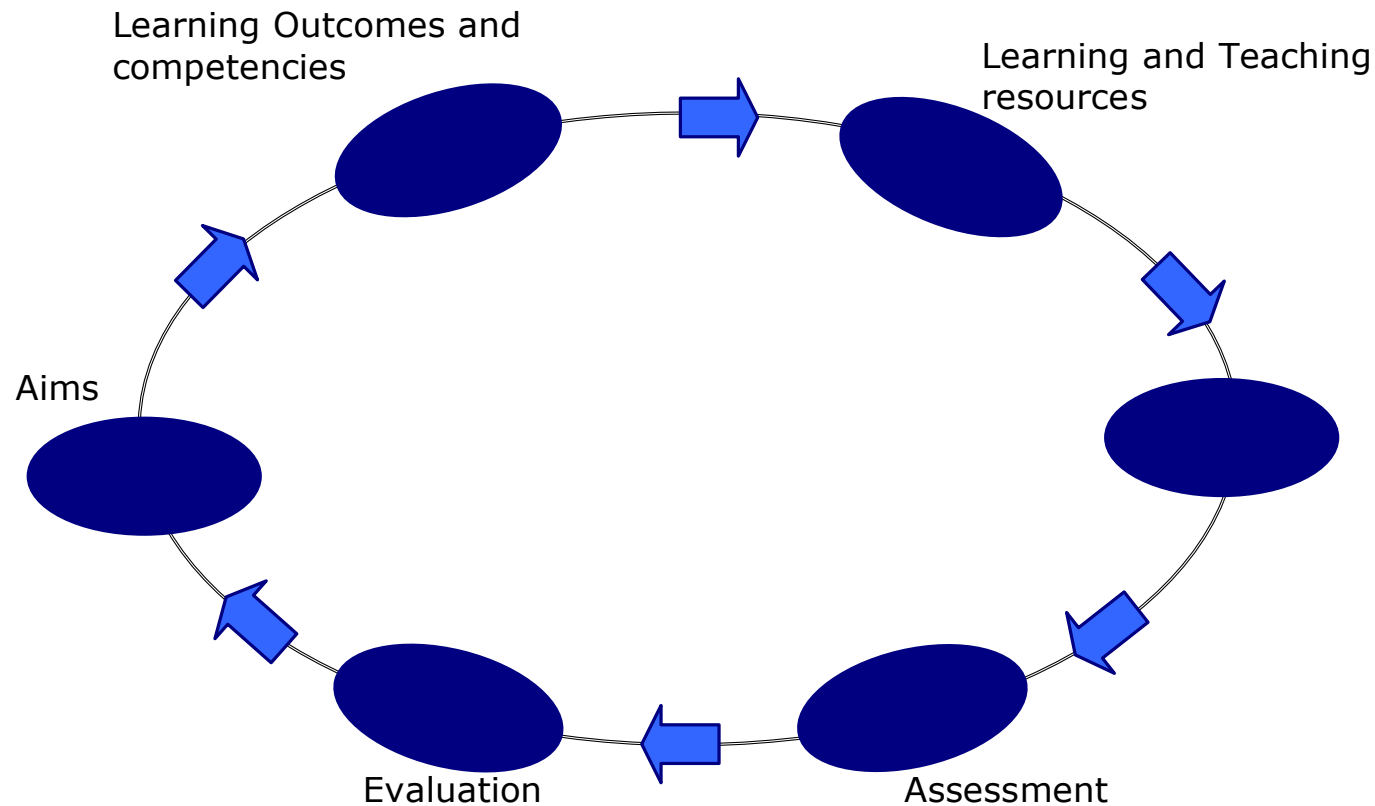
Comments

Shamsuzzaman, Muhammad on [28/11/2009]:
The linear pattern of houses reminds the traditional Slovak way of housing. Major portion of the site is occupied by the building footprints although the heights of the buildings are lower towards the center. Providing private gardens to families may fulfill the dreams of individuals but the question still remains open whether green areas should be a 'common good' or private property.

Evaluations

-Martin Cojo, Angel
-Tuony, Jan

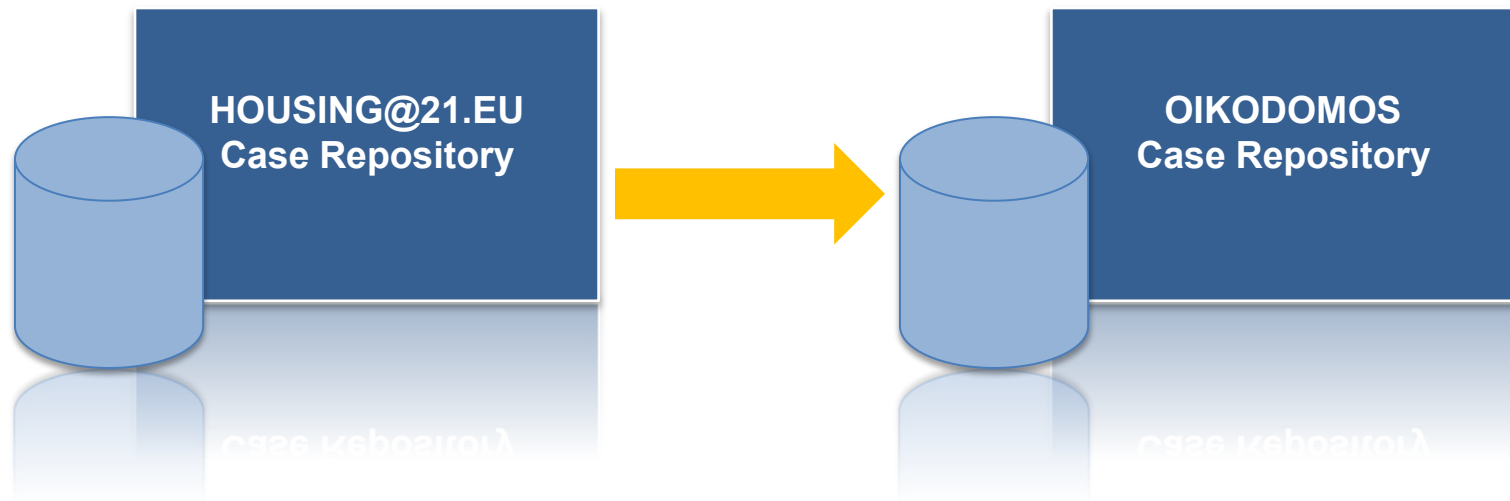
S		A	B	C	D	E
E	The student will be able to construct a clear and, functionally correct conceptual housing design which is integrated with the other functions of a given site or problem.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E	The student will be able to apply design methods appropriate to housing and urban development design issues (perception of the assignment, site, neighbourhood interconnections...	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E	The student will be able to apply compositional skills on the level of a basic dwelling; expression of strategic development pre-scenarios of the analysed site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
E	The student will be able to demonstrate and discuss notions of composition and urban/architectural design	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Process of design for learning in which the learning and teaching elements are reflected on to assure that there is coherence, for example, between what the students are taught and their assessments

OIKODOMOS CASE REPOSITORY

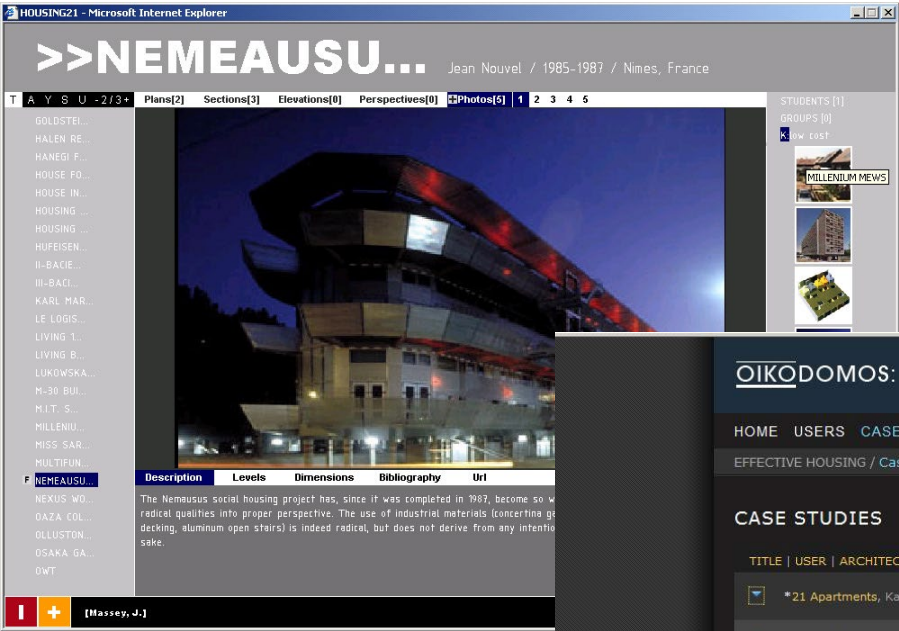
Case Repository



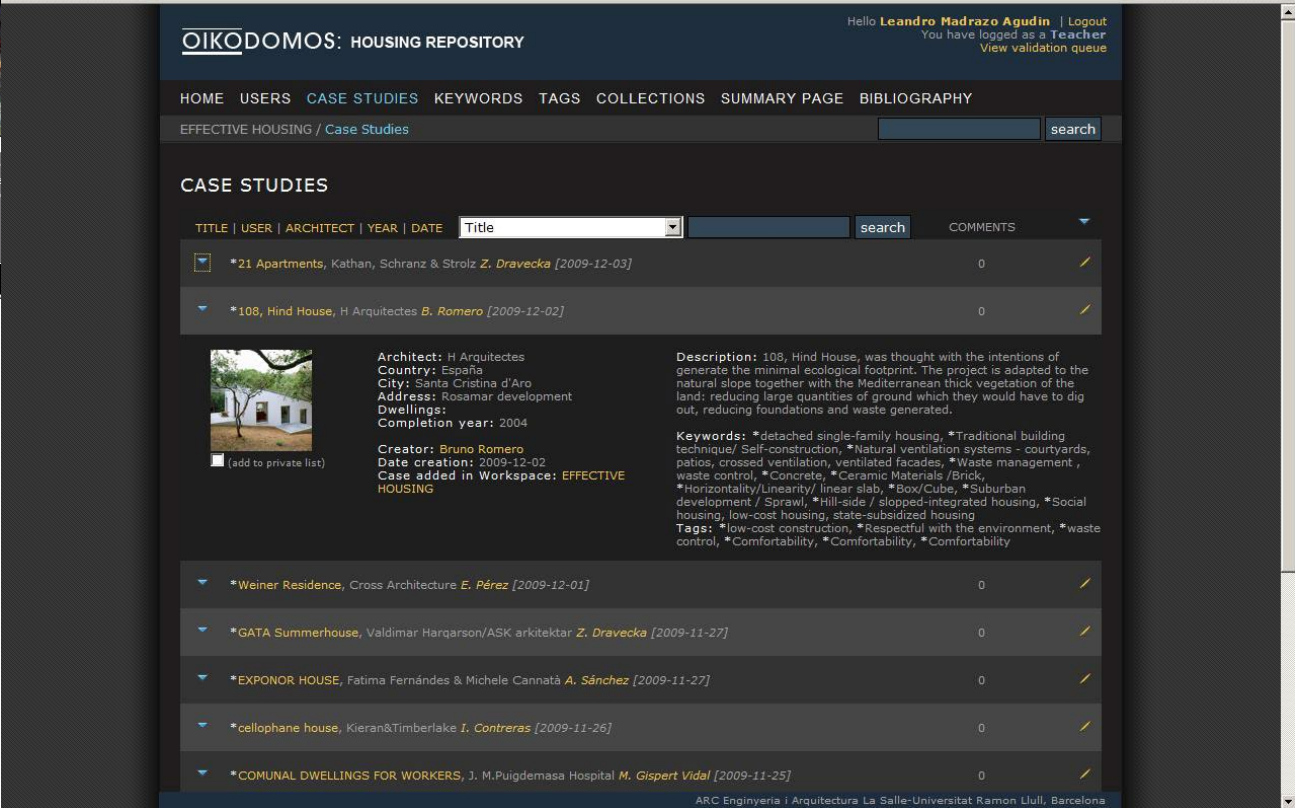
Developed in 2003-2004 in the Erasmus Intensive Programme: 300 cases of study documented, over 4.500 images.

Content of previous repository reviewed and upgraded. A complete new environment has been designed (more flexible layout, easier access to information, customization of information) and programmed (PHP and MySQL, Web 2.0 features)

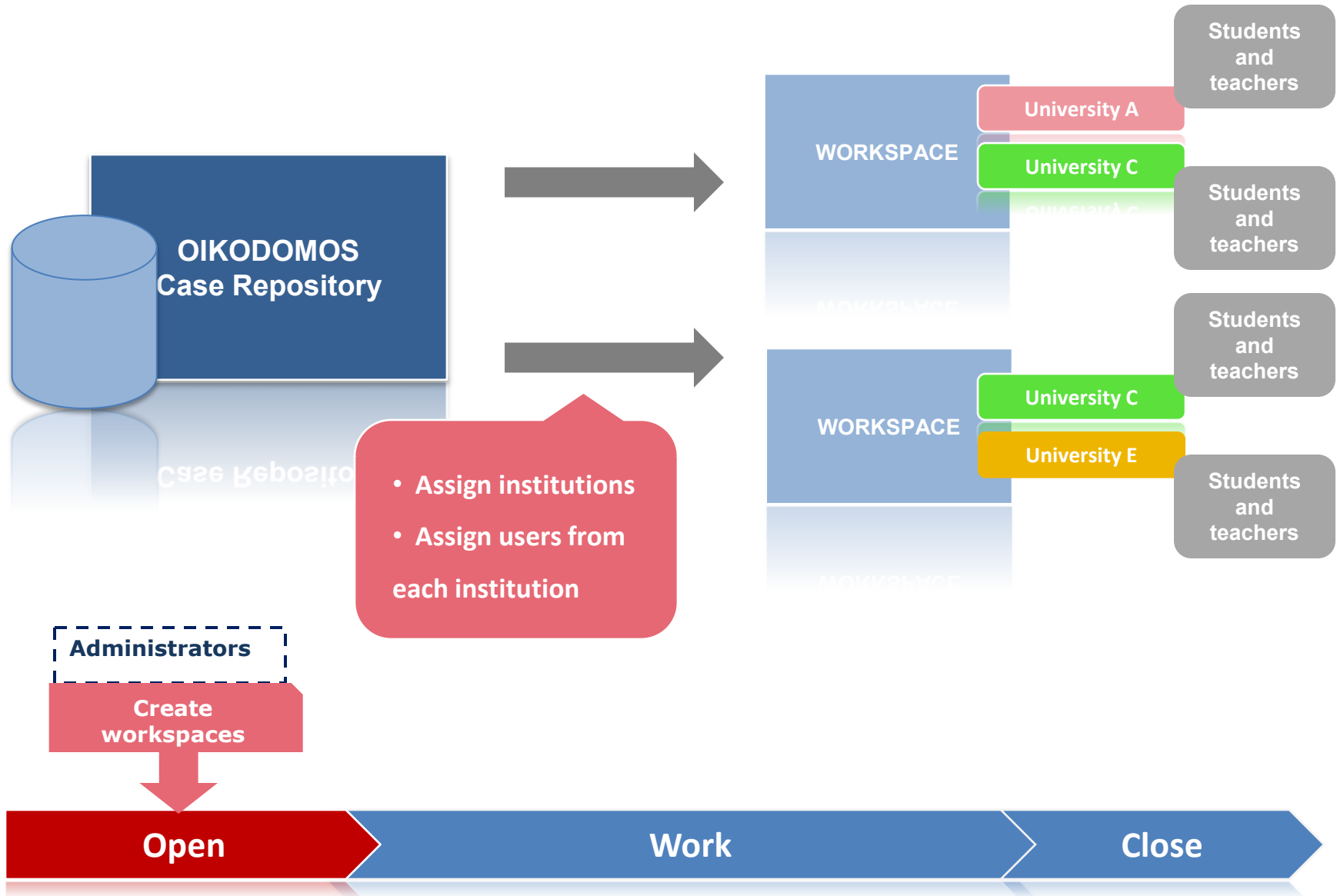
HOUSING@21.EU



OIKODOMOS



Case Repository



CASE STUDIES

TITLE | USER | ARCHITECT | YEAR | DATE search COMMENTS

▼	*21 Apartments, Kathan, Schranz & Strolz	Z. Dravecka	[2009-12-03]	0	✓
▼	*108, Hind House, H Arquitectes	B. Romero	[2009-12-02]	0	✓



☐ (add to private list)

Architect: H Arquitectes
Country: España
City: Santa Cristina d'Aro
Address: Rosamar development
Dwellings:
Completion year: 2004

Creator: **Bruno Romero**
Date creation: 2009-12-02
Case added in Workspace: **EFFECTIVE HOUSING**

Description: 108, Hind House, was thought with the intentions of generate the minimal ecological footprint. The project is adapted to the natural slope together with the Mediterranean thick vegetation of the land: reducing large quantities of ground which they would have to dig out, reducing foundations and waste generated.

Keywords: *detached single-family housing, *Traditional building technique/ Self-construction, *Natural ventilation systems - courtyards, patios, crossed ventilation, ventilated facades, *Waste management , waste control, *Concrete, *Ceramic Materials /Brick, *Horizontality/Linearity/ linear slab, *Box/Cube, *Suburban development / Sprawl, *Hill-side / slopped-integrated housing, *Social housing, low-cost housing, state-subsidized housing
Tags: *low-cost construction, *Respectful with the environment, *waste control, *Comfortability, *Comfortability, *Comfortability

▼	*Weiner Residence, Cross Architecture	E. Pérez	[2009-12-01]	0	✓
▼	*GATA Summerhouse, Valdimar Harqarson/ASK arkitektar	Z. Dravecka	[2009-11-27]	0	✓
▼	*EXPONOR HOUSE, Fatima Fernández & Michele Cannatà	A. Sánchez	[2009-11-27]	0	✓
▼	*cellophane house, Kieran&Timberlake	I. Contreras	[2009-11-26]	0	✓
▼	*COMUNAL DWELLINGS FOR WORKERS, J. M.Puigdemasa Hospital	M. Gispert Vidal	[2009-11-25]	0	✓

OIKODOMOS: HOUSING REPOSITORY

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HOME USERS CASE STUDIES KEYWORDS TAGS COLLECTIONS SUMMARY PAGE BIBLIOGRAPHY

EFFECTIVE HOUSING / Case Studies / 56 houses in Vijfhuizen

search

Floor-plans (7) Sections (6) Elevations (5) Renders/Perspectives (4) Details (0) Sketches (0) Diagrams (2) Photos (10) Drawings (0) Models 3D (0)



CARD

DESCRIPTIONS

BIBLIOGRAPHY

WWW

RELATED CASES

COLLECTIONS

KEYWORDS

TAGS

COMMENTS

LOG

56 houses in Vijfhuizen



Architect: S333
Country: Netherlands
City: Vijfhuizen
Address:
Dwellings: 50
Completion year:

Creator: Elena Gimeno
Date creation: 2009-11-17
Case added in Workspace: EFFECTIVE HOUSING

Description: The project of 56 houses adjacent to the village of Vijfhuizen forms the first phase of a large Vinex urban plan for 700 new dwellings that will be constructed on the edge of the existing village over the next 5 years. The density of the housing with the smallness of the plots, and the intense mixture of different cost categories are the main and characteristic points of the project.

Google Maps



ARC Enginyeria i Arquitectura La Salle-Universitat Ramon Llull, Barcelona

OIKODOMOS: HOUSING REPOSITORY

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HOME USERS CASE STUDIES KEYWORDS TAGS **COLLECTIONS** SUMMARY PAGE BIBLIOGRAPHY

EFFECTIVE HOUSING / [Collections](#)

COLLECTIONS

TITLE | USER | DATE

▼	*"build it where you want", Z. Tomeckova [2009-11-25]	0	
▼	*tfc2, . [2009-11-25]	0	
▼	*transformation, B. Zariquiey [2009-11-17]	0	

transformation

Creator: Bibiana Zariquiey
Date creation: 2009-11-17
Collection added in Workspace: **EFFECTIVE HOUSING**
Description: change the use, the function



Bibiana Zariquiey add
*ZWARTE MADONNA

(add to private list)



Bibiana Zariquiey add
*THE COLLEGIATE

(add to private list)



Bibiana Zariquiey add
*HET VOLK

(add to private list)



Bibiana Zariquiey add
*WOHLFAHRT LAYMAN..

(add to private list)



Bibiana Zariquiey add
*THE PORTER HOUSE

(add to private list)



Bibiana Zariquiey add
*SMITHFIELD BUILD..

(add to private list)

OIKODOMOS: HOUSING REPOSITORY

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HOME USERS CASE STUDIES KEYWORDS TAGS COLLECTIONS SUMMARY PAGE BIBLIOGRAPHY

EFFECTIVE HOUSING / [Summary pages](#) / COLLECTIVE HOUSING-communal spaces

User Creator: **Elena Gimeno**
Created in Workspace: EFFECTIVE HOUSING
Date Creation: 2009-11-29
Rate Average: 0

COLLECTIVE HOUSING-communal spaces

COLLECTIVE HOUSING ANALYSIS OF THE COMMUNITY SPACE

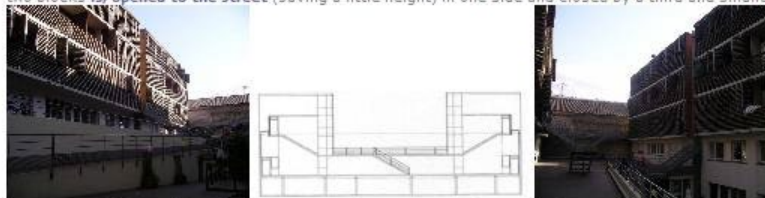
CENTRAL COMMUNITY AREA

EDGE CORRIDOR acces

The CENTRAL COMMUNITY AREA intends to ACTIVATE the SOCIAL ACTIVITY of the residential complex. The community RELATIONS are not only reduced in the CENTRAL SQUARE defined by the blocks, but also it is EXPANDED WITHIN THESE, due to the appearance of the CORRIDORS of access to the housings, this corridors FORM PART of this VACUUM, SHARE and PARTICIPATE in the central space ACTIVITIES.

RESIDENCE Foyer 102 ROOMS+COLLECTIVE LOCALS, F. Marzella, I. Manescau, E. Steeg

This example tries to **conciliate individuality with sharing life** with the others. A **communitarian architectonic complex** is created in which the rooms are grouped in duplex flats forming independent elements which lean out to the **inner patio** where the common services are. The **collective space** that is created in the between the two blocks is, **opened to the street** (saving a little height) in one side and closed by a third and smaller block in the opposite side.



The **transition gallery** creates a **tension between inner private living space and the collective patio**. The **terraces**, besides marking the character of the apartments allow to **maintain a personal balance between the individual and the collective living**.

The intention of the authors was to question the urbanity of the complex, and the **intention** of the project is to **create new places** with appealing urban atmospheres **adapted to the present programs** of living, both in the **domestic and urban scales**.

DIRECT access by the stairwell

The CENTRAL PUBLIC SPACE is the intended space to ACCOMMODATE the ARRIVAL of the INHABITANTS and DISTRIBUTE each one through each proper stairwell to their apartments. In this case, the PUBLIC SPACE, limited by the blocks, is the place where the SOCIAL INTEGRATION takes place, and where the DWELLINGS OPEN ONTO IT.

SOCIAL HOUSING EMV VILLAVERDE, David Chipperfield

Typologically the building reiterates the traditional canons of the common aligned complex with two apartments per floor **served by a stairwell between them**.



ARC Enginyeria i Arquitectura La Salle-Universitat Ramon Llull, Barcelona

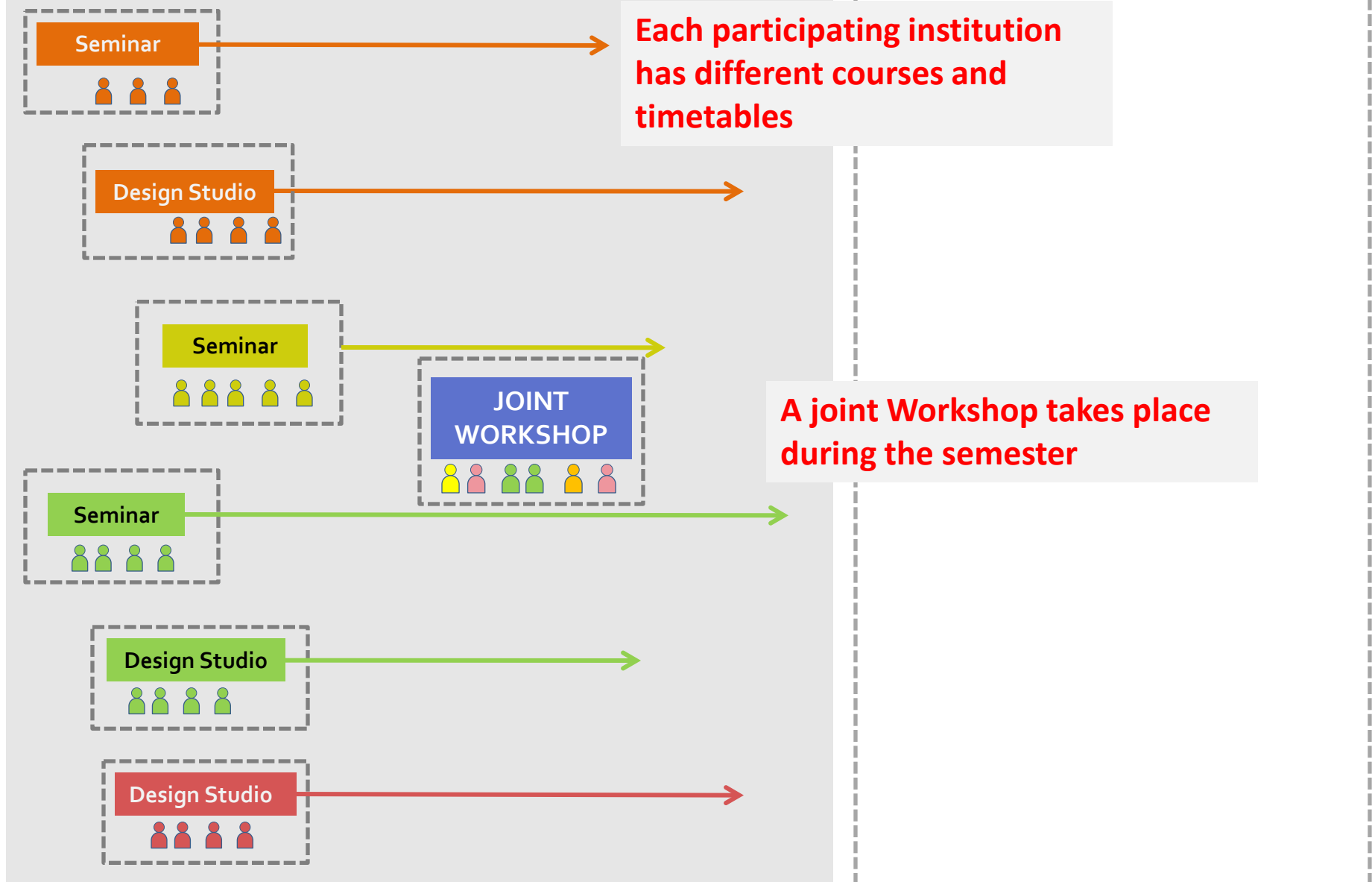
Blended Learning

- In OIKODOMOS, learning takes place in courses and workshops organized in the participating schools as well as the activities taking place in virtual space (blended learning).
- In a broad sense, blended learning refers to any combination of classroom teaching and learning mediated by ICT (media tools and spaces of learning, teaching methods).
- Garrison & Kanuka, 2004: (Blended learning represents) “a fundamental reconceptualization and reorganization of the teaching and learning dynamic, starting with various specific contextual needs and contingencies (e.g., discipline, developmental level, and resources)” and conveys “rethinking and redesigning the teaching and learning relationship”.

Participating Institutions CAMPUSES

OIKODOMOS Virtual campus

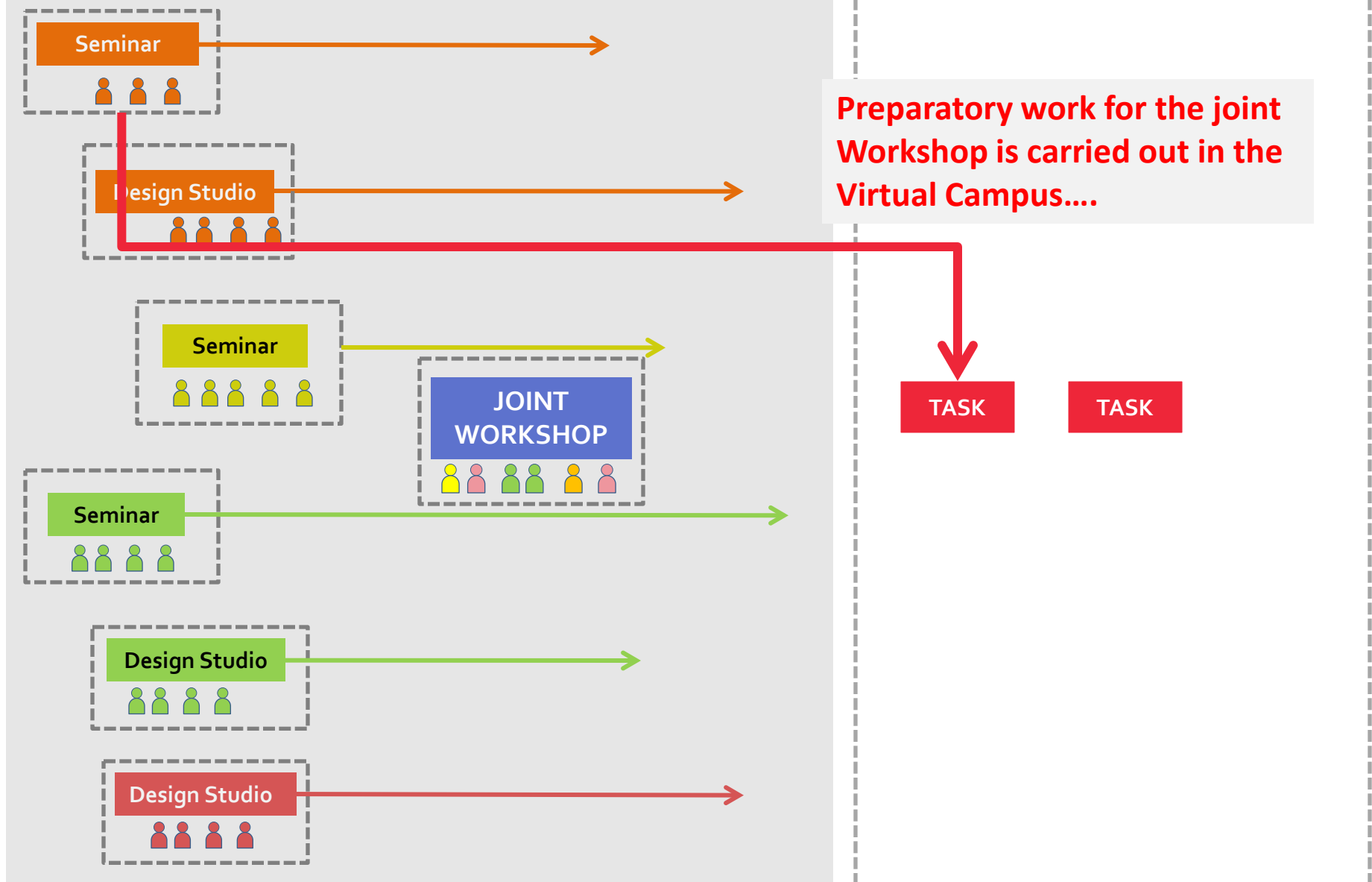
SEMESTER ACTIVITIES



Participating Institutions CAMPUSES

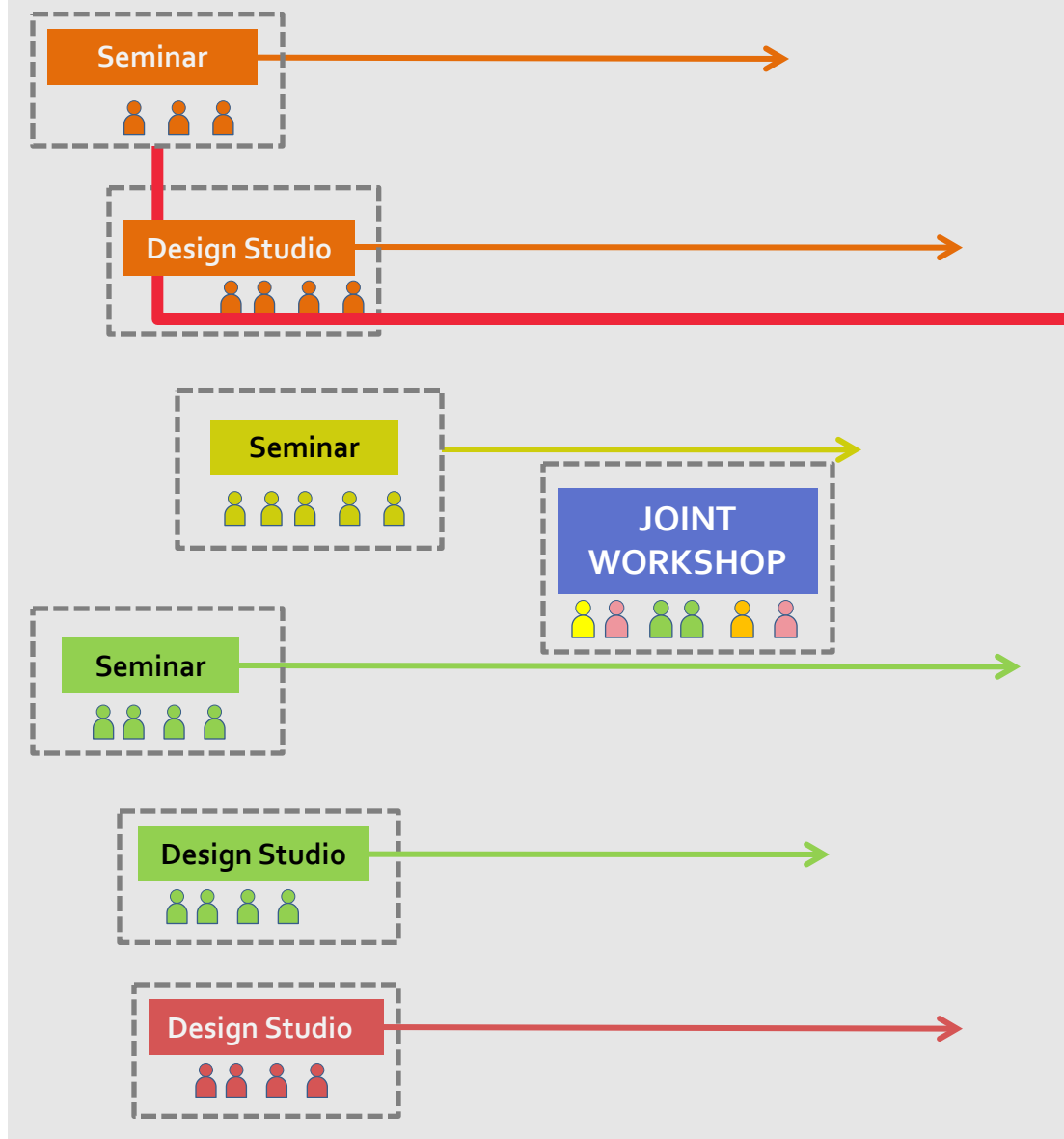
OIKODOMOS Virtual campus

SEMESTER ACTIVITIES



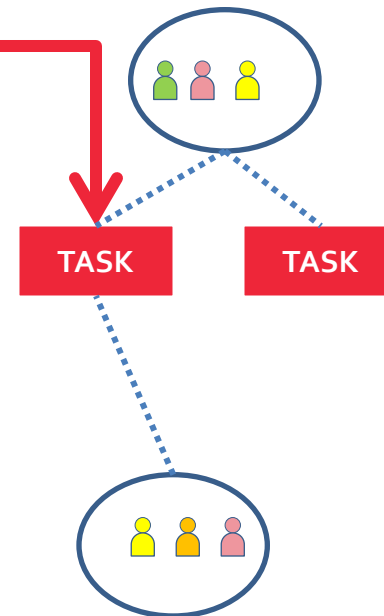
Participating Institutions CAMPUSES

SEMESTER ACTIVITIES



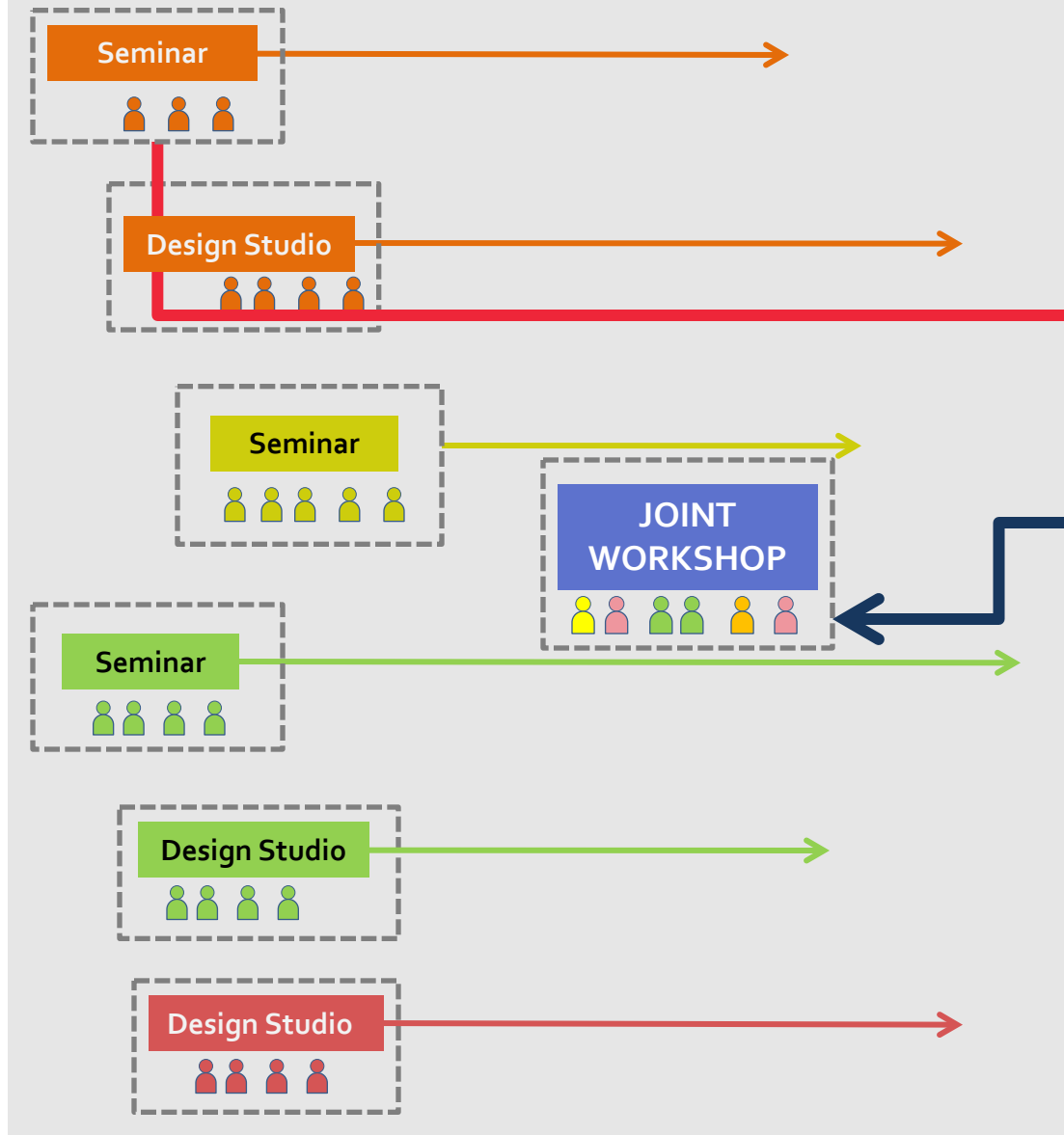
OIKODOMOS Virtual campus

.. by groups made up of students from the participating institutions...



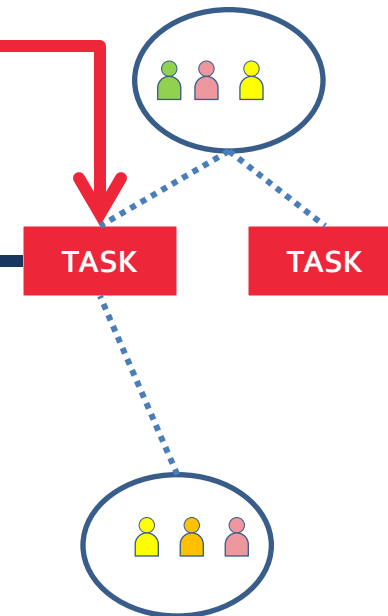
Participating Institutions CAMPUSES

SEMESTER ACTIVITIES



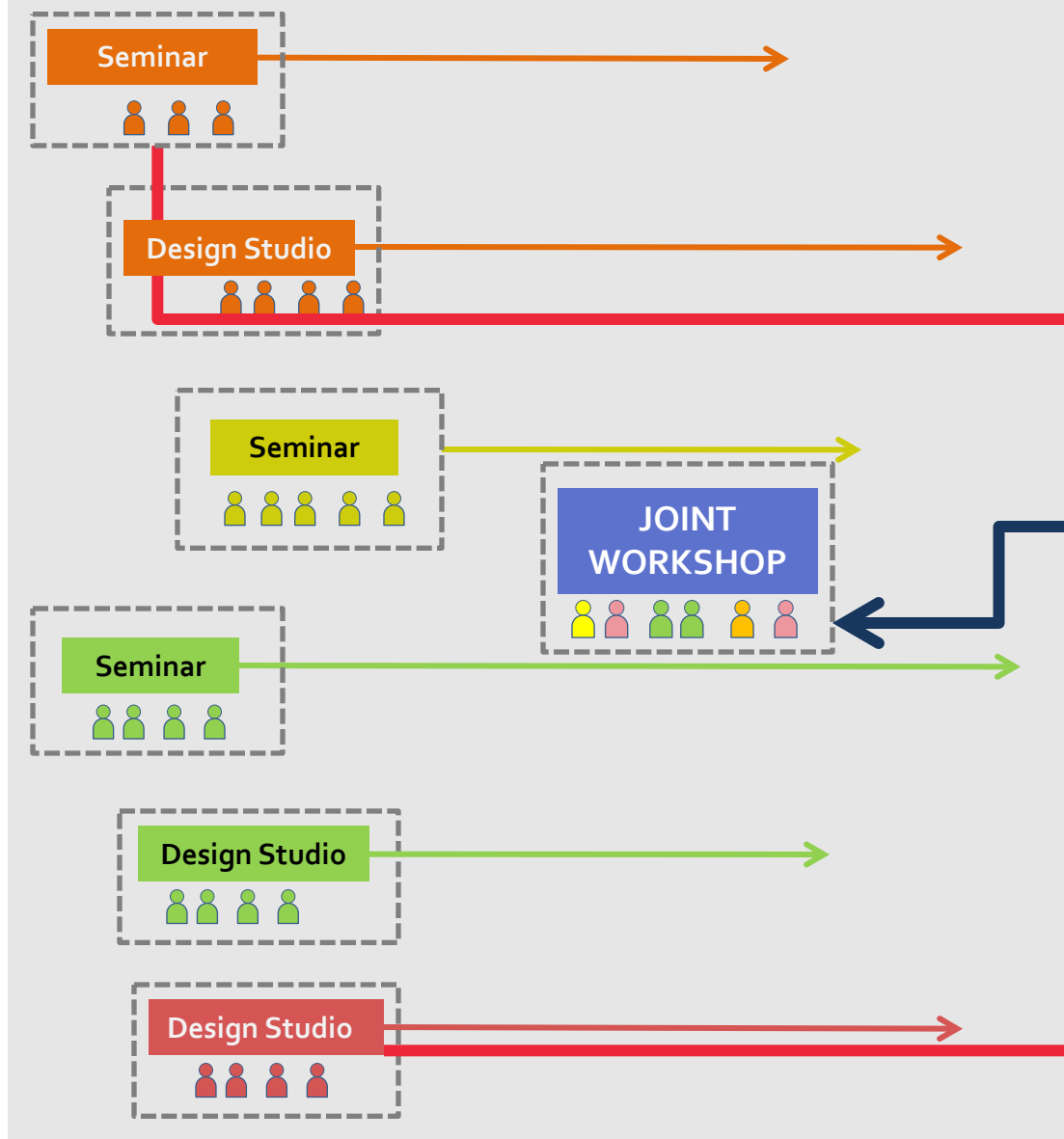
OIKODOMOS Virtual campus

... the outcomes of the tasks are fed in the Joint Workshop



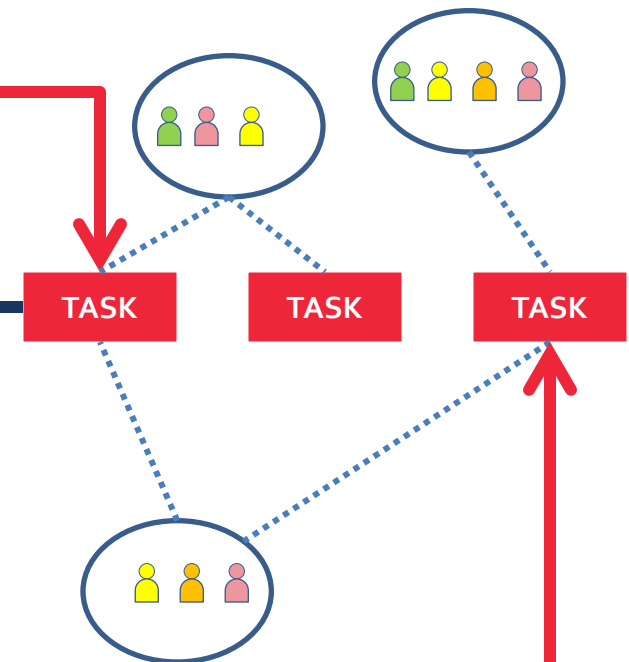
Participating Institutions CAMPUSES

SEMESTER ACTIVITIES



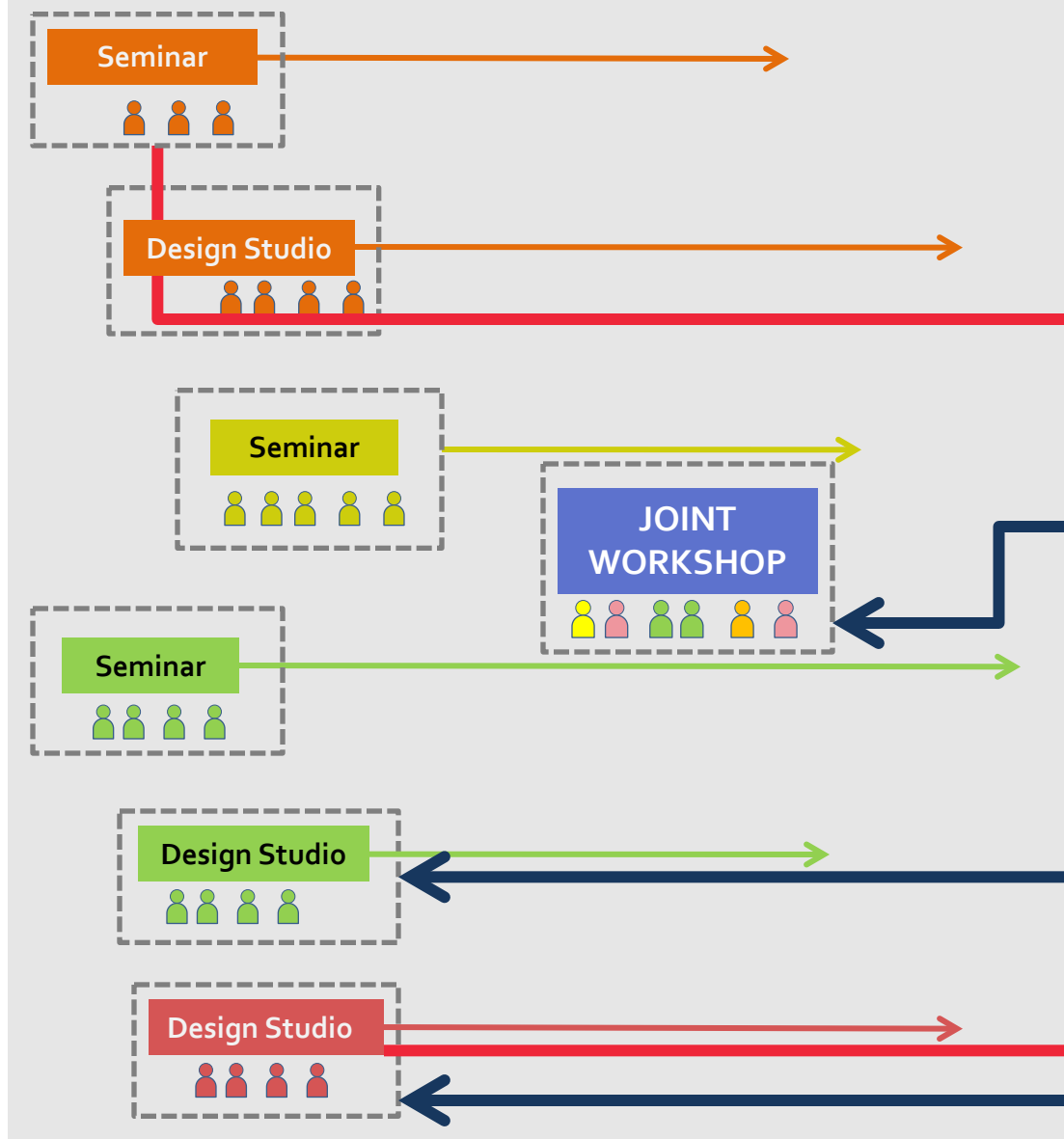
OIKODOMOS Virtual campus

New tasks are created and performed after the Joint Workshop.....



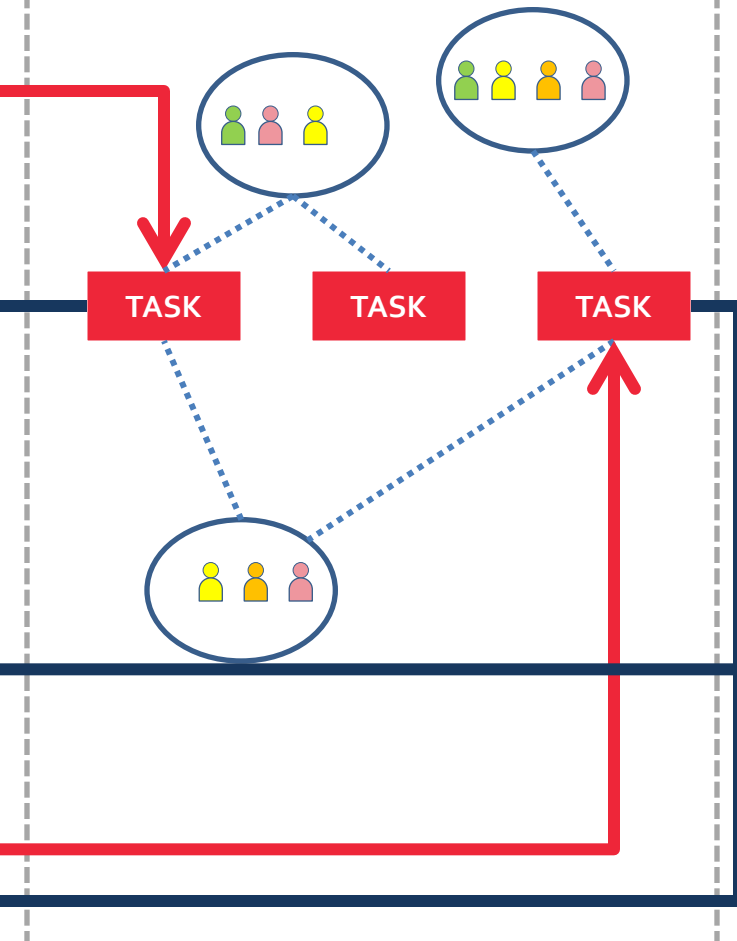
Participating Institutions CAMPUSES

SEMESTER ACTIVITIES



OIKODOMOS Virtual campus

..and the outcomes are fed into the on-going local activities.



THEME: EFFECTIVE HOUSING

September

October

November

December

January

THEME: EFFECTIVE HOUSING

LA 4: REFLECTIONS ON HOUSING

Critical issues contemporary housing: flexibility, industrialization, sustainability, energy efficiency

LA 5: URBAN ANALYSIS

Analyze the site for the urban and architectural project to be developed in the Bratislava workshop

LA 10: URBAN STRATEGIES

Transform the results of a site analysis into design strategies

LA 13: ARCHITECTURAL STRATEGIES

Development of an architectural concept after an urban strategy

September

October

November

December

January

THEME: EFFECTIVE HOUSING

LA 4: REFLECTIONS ON HOUSING

Critical issues contemporary housing: flexibility, industrialization, sustainability, energy efficiency

TK2

Critical concepts

TK3

Effective housing: what is in a name?

TK7

Urban theoretical concepts

LA 5: URBAN ANALYSIS

Analyze the site for the urban and architectural project to be developed in the Bratislava workshop

LA 10: URBAN STRATEGIES

Transform the results of a site analysis into design strategies

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THEME: EFFECTIVE HOUSING

LA 4: REFLECTIONS ON HOUSING

Critical issues contemporary housing: flexibility, industrialization, sustainability, energy efficiency

TK2 Critical concepts

TK3 Effective housing: what is in a name?

TK7 Urban theoretical concepts

LA 5: URBAN ANALYSIS

Analyze the site for the urban and architectural project to be developed in the Bratislava workshop

TK4 Site analysis

TK5 Digital Terrain Modeling

TK6 Libretto of the development

LA 10: URBAN STRATEGIES

Transform the results of a site analysis into design strategies

LA 13: ARCHITECTURAL STRATEGIES

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Critical issues contemporary housing: flexibility, industrialization, sustainability, energy efficiency

TK2 Critical concepts

TK3 Effective housing: what is in a name?

TK7 Urban theoretical concepts

LA 5: URBAN ANALYSIS

Analyze the site for the urban and architectural project to be developed in the Bratislava workshop

TK4 Site analysis

TK5 Digital Terrain Modeling

TK6 Libretto of the development

LA 10: URBAN STRATEGIES

Transform the results of a site analysis into design strategies

JOINT WORKSHOP

TK8 Summarizing tasks analysis

TK9 Site development concepts

TK11 Conceptual arch. strategy

LA 13: ARCHITECTURAL STRATEGIES

Development of an architectural concept after an urban strategy

September

October

November

December

January

THEME: EFFECTIVE HOUSING

LA 4: REFLECTIONS ON HOUSING

Critical issues contemporary housing: flexibility, industrialization, sustainability, energy efficiency

TK2 Critical concepts

TK3 Effective housing: what is in a name?

TK7 Urban theoretical concepts

LA 5: URBAN ANALYSIS

Analyze the site for the urban and architectural project to be developed in the Bratislava workshop

TK4 Site analysis

TK5 Digital Terrain Modeling

TK6 Libretto of the development

LA 10: URBAN STRATEGIES

Transform the results of a site analysis into design strategies

TK8 Summarizing tasks analysis

TK9 Site development concepts

TK11 Conceptual arch. strategy

JOINT WORKSHOP

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TK12 Design Strategies

TK13 Architectural concepts

TK14 Strategies semi-private spaces

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Conclusions

- understanding of learning as a knowledge acquisition process – a process which is open, participative, and amenable to systematization.
- the unique aspect of the OIKODOMOS platform lies in its capacity to structure and construct a shared knowledge base throughout the learning process. This way of structuring knowledge is not exclusive to architecture; rather its “constructivist” nature means it is widely applicable to other disciplines as well.
- the experiences of using both environments –Workspaces and Case Repository– have verified the functionality of both platforms and the validity of the educational model they support

OIKODOMOS: a virtual campus to promote the study of dwelling in contemporary Europe

OIKODOMOS is a research project financed by the Lifelong Learning programme (2007-2009) carried out by higher education institutions and research centers from Belgium, France, Slovakia, Spain, Switzerland and the United Kingdom. The goal of the project is to create a virtual campus to promote the study of dwelling at a European level. The word Oikodemos is a Greek word for "to build, to construct a learning structure in motion, incorporating blended learning). This virtual campus is going to study housing in a multidisciplinary way, interweaving different courses and seminars, digital repositories and on-line learning environments, cases analysis and project workshops taking place at the participating institutions. Community representatives and local authorities in the participating countries are expected to participate in the project's activities.

News

February 2010

Oikodemos Newsletter n.4 has been published. [+info](#)

January 2010

November 2009

OIKODOMOS will be presented at the conference organized by the "Apport des projets européens d'éducation et de formation tout au long de la vie" agency Europe-Education-Formation France which will take place in Lyon, November 19, 2009.

September 2009

Oikodemos Newsletter n.3 has been published. [+info](#)

September 2009

Third Oikodemos workshop organized by FA STU Bratislava dedicated to the topic "Effective learning environments" will take place from

OIKODOMOS PLATFORM

A technological platform has been specifically developed and implemented for the Oikodemos Virtual Campus to support a blended-learning pedagogic approach. It consists of two environments: Workspaces and Case Repository.

OIKODOMOS WORKSPACES

Workspaces supports project-based learning and the management of a project

>> www.oikodomos.org