

Analysis and Synthesis of Knowledge in e-Participatory Environments: The CoPe_it! Approach

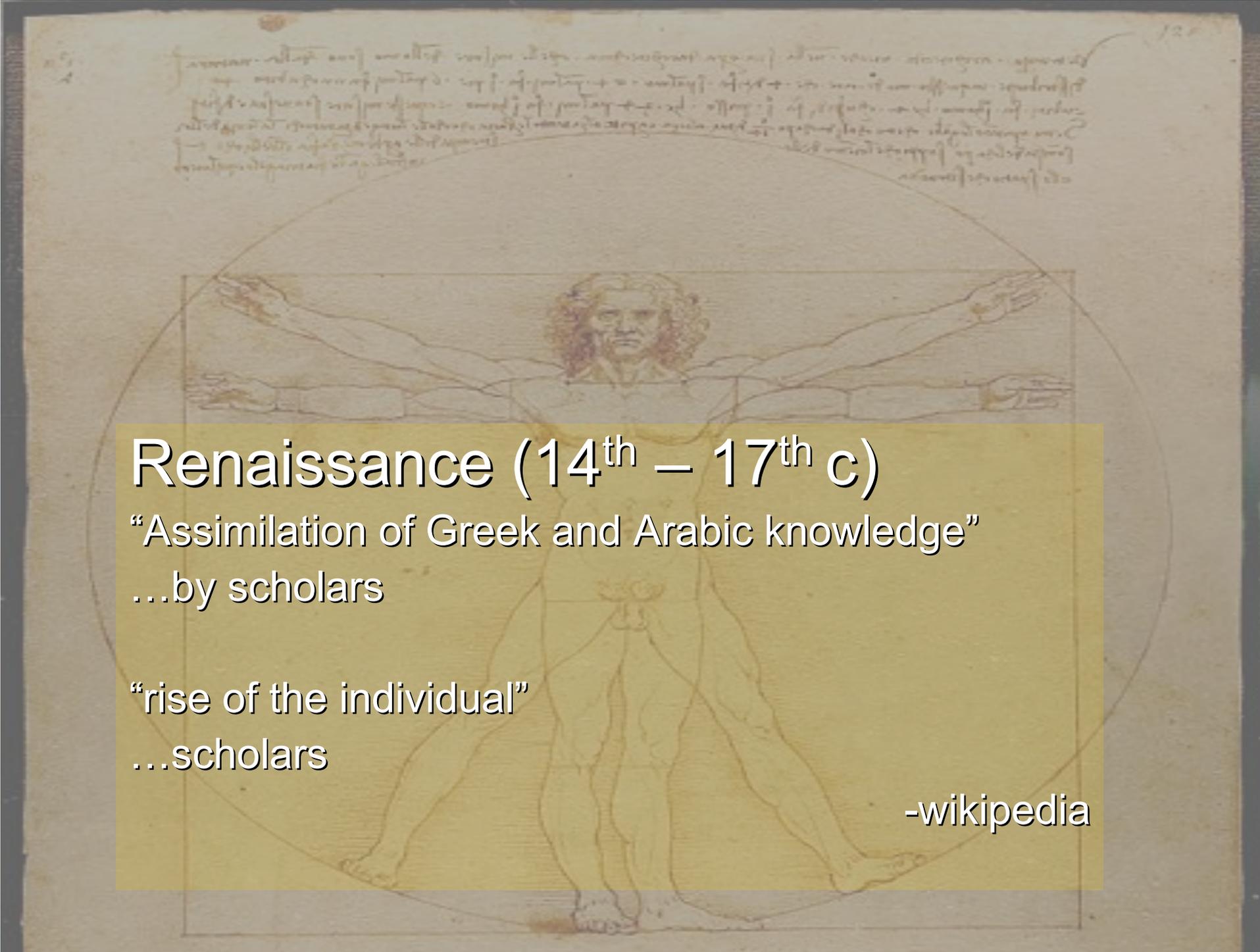
<http://copeit.cti.gr/>

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Outline

- The “2.0nd Renaissance”
- New foundations
- Analysis and Synthesis with CoPe_it!



Renaissance (14th – 17th c)

“Assimilation of Greek and Arabic knowledge”
...by scholars

“rise of the individual”
...scholars

-wikipedia

Wikis

Folksonomies

Networks

synthesis / convergence / emergence

Mushups

Discussions

Open source

**Differs from what we learned
in school**

**Try explaining the
success of wikipedia**

**...or the success of open
source**



How do our tools work?



...emphasize analysis

...insisting on formality and fixed semantics

...no/limited support on
synthesis/emergence

Applies also to argumentative collaboration tools of Web 2.0

Web Forums

...contribute/post (analysis)

...can't (explicitly) relate

...no semantics

...how did it evolve?

...but good at collecting



Truthmapping

...typing (relations)
...fixed semantics
...but modifications
(yet prescribed)

A TOOL TO ELEVATE DEBATE
TRUTHMAPPING.COM

Unknown user

Home
Login or create username

Statement Map

My Ratings ▾

All Ratings ? | Watch Topic ? | Copy Topic ? | Ratings Breakdown ?

All > Philosophy > Determinism Latest @ @

The universe can be neither deterministic nor random

Revision History - v1, v2

Published by JulianMorrison, August 28, 2005, 2:14 pm GMT
Participation: default ?
Type: Deductive ?

View Critique

Statements

1) PREMISE: @ @ Δ 1

Where some qualities inhere across the whole of two things, they must be described as part of a unified whole (at some level). Two things are only not unified at any level, if all their qualities are discontinuous.

--- select --- ▾

Oxford University Maths Finance Portfolio
Training for Professionals in Investment Banking and Finance

2) PREMISE: @ @ Δ 1

If two things are real, that is a shared quality inherent to both.

--- select --- ▾

3) PREMISE: @ @ Δ none

Monism is the theory that the universe is a unified whole at some overarching level. Dualism (in which I subsume n-ism) is the theory that at a fundamental level, the universe is discontinuous.

--- select --- ▾

Debatepedia

...structured
...fixed semantics

The screenshot shows the Debatepedia website interface. At the top left is a search bar with 'Go' and 'Search' buttons. Below it is a 'Translate' dropdown menu. The left sidebar contains several navigation sections: 'navigation' with links like 'Debatepedia Home', 'IDEA Home', 'Recent Changes', 'Active editors', 'Community forum', 'Contents', 'Mailing list', and 'Summer internships'; 'getting started' with links like 'How to edit', 'Editing tasks', 'Create a debate page', 'Suggest a debate', 'Manipulate debates', 'Create argument pages', 'Post videos', and 'Volunteer!'; 'interactions' with links like 'Publishing calendar', 'Make the case', 'Become an administrator', 'Contact', and 'Donate!'; and 'in other languages' with links for Arabic, Spanish, French, and Hungarian.

The main content area is titled 'Debate:Nuclear energy'. Below the title is a toolbar with icons for editing and social media. The article title is 'Is nuclear energy worth exploiting?'. Below the title is a paragraph: 'YOU can become an editor of this article. Debatepedia is a wiki encyclopedia of pros and cons that anyone can edit! What's a [Editing tasks in this article that you can do:](#)

- Pro and con articles on this debate topic need to be researched and presented in the "pro/con resources" section (bottom).
- Arguments and quotations should be drawn from these pro and con articles and framed in this article and in specific argumen
- You can add more editing tasks here, delete completed ones, and talk about tasks on the discussion page. See [other editing tasks](#) c

Below the paragraph is a 'Contents [hide]' section with a list of 12 items:

1. Is nuclear energy worth exploiting?
2. Background and Context of Debate:
3. Environment: Would new nuclear plants be environmentally beneficial?
4. Safety concerns: Are nuclear power plants safe?
5. Terrorist threat: Is the terrorist threat to nuclear facilities non-existent/manageable?
6. Proliferation: Are weapons proliferation risks non-existent/manageable?
7. Economics: Is nuclear energy relatively inexpensive?
8. Lights on: Is nuclear energy necessary to "keep the lights on"?
9. Public opinion: Where does public opinion stand on this issue?
10. Pro/con resources
11. References:
12. External links

At the bottom of the screenshot, there is a section titled 'Background and Context of Debate:' with a small image of clouds and the text: 'Nuclear power is any nuclear technology designed to extract usable energ

Why should argumentative collaboration systems change in Web 2.0?

...the more participate, with diverse backgrounds, the better

...but the more participate, formality may become an obstacle for engagement and use

But aren't there flexible/informal "Web 2.0" ways to argumentative collaboration?

E-mail, Chat

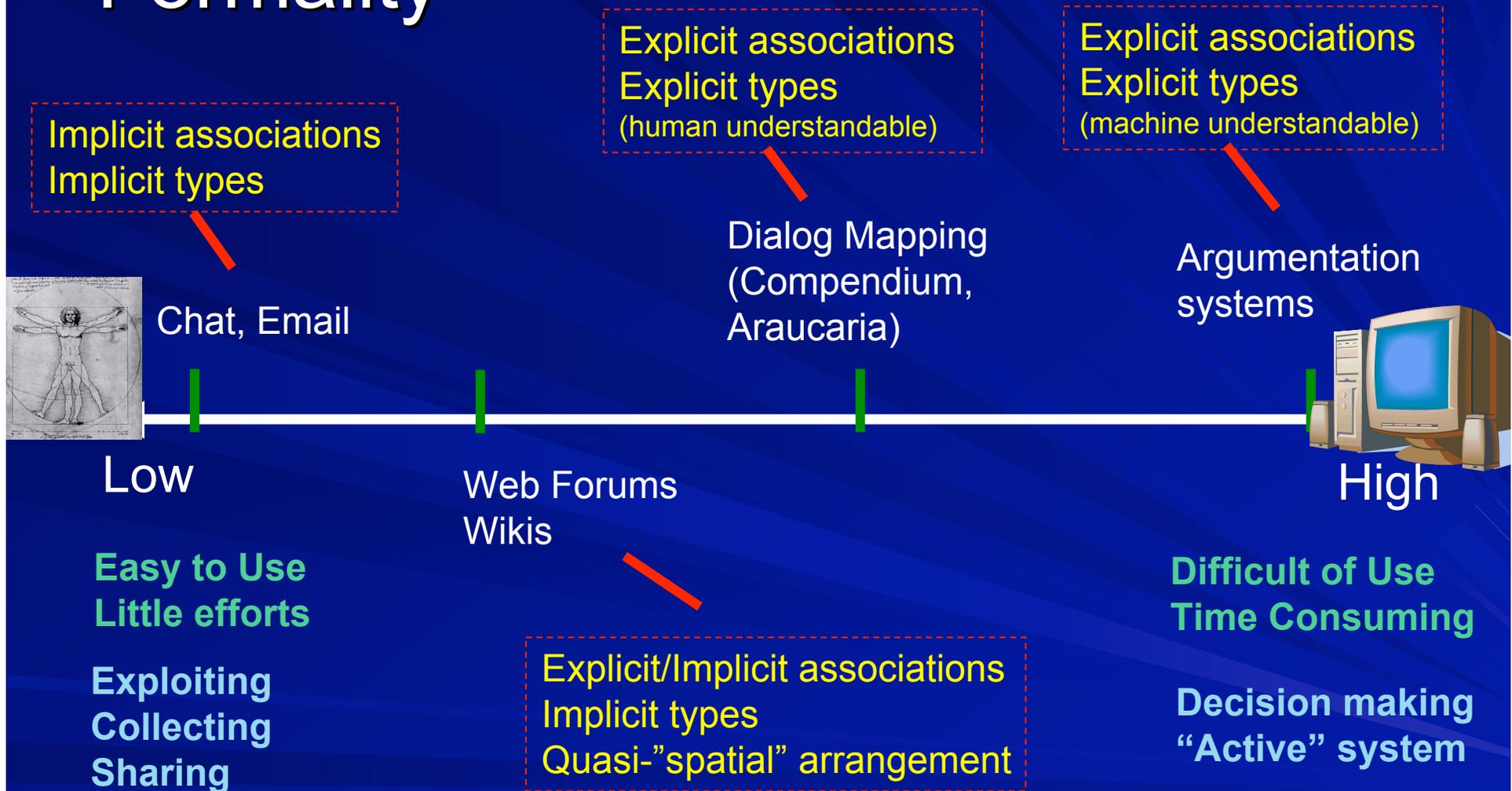
...very flexible, easy to use, no formality

...but no semantics either

...machine is "dump"

Formality

The issue

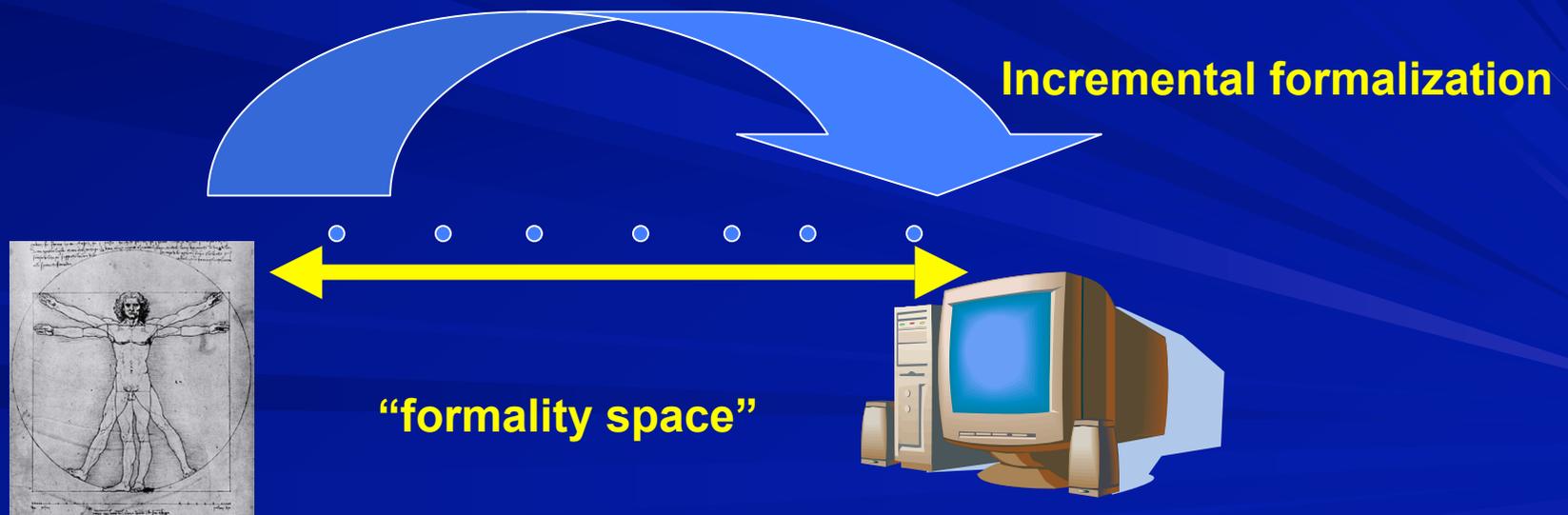


Emergence in CoPe_it!

Support incremental evolution in the formality space

...Collaboration starts loosely and informal and may become at some point formal.

...The discussion internally “emerges” and changes externally its formality



CoPe_it! is a tool of the “Web 2.0 era”

...It lets webizens easily collaborate by sharing opinions and resources.

...It enables and encourages participation in private or public community workspaces.

Developed and used in the Palette project

...PALETTE aims at facilitating and augmenting individual and organisational learning in CoPs

...Towards this aim, an interoperable and extensible set of innovative services as well as a set of specific scenarios of use will be designed, implemented and thoroughly validated in CoPs of diverse contexts

...<http://palette.ercim.org>

Palette project (cont.)

...Strategic objective: Technology-enhanced Learning

...Project type: Integrated project (IP)

...Diverse interoperating tools

...Collaboration services (CoPe_it!, eLogbook)

...Knowledge Management Services (SweetWiki, ECCO,
Generis, Sewese, BayFac)

...Information Services (LimSee, Amaya, DocReuse)

CoPe_it!

- Argumentative Collaboration environment to support CoPs
 - Web based
 - Semi-synchronous collaboration on the same space
 - Enables **evolution of collaboration** by **incrementally formalizing** the knowledge items of the argumentation space. **The space “emerges” into a new form**
- Requirements derived from CoPs
 - Managing Information Overload
 - Diverse collaboration modes
 - Expressing tacit knowledge

CoPe_it!

■ Conceptual architecture

– The workspace:

- the “place” where argumentative collaboration on an issue takes place

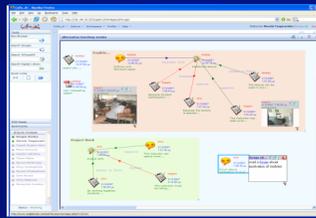
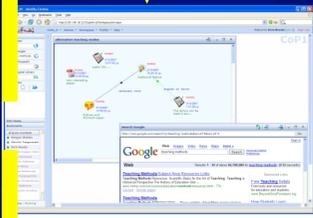
– The same workspace has various *Projections*

- A representation of the argumentative collaboration in some evolution stage.
- Each projection **provides different abstractions** and allows different operations
 - Supports a level of formality (solves the problems of a particular collaboration stage)
- Ability to switch between projections -> change level of formality – adapting to the task

– Abstractions of one formality level transformed into higher level



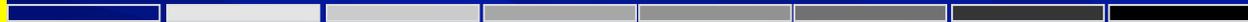
Conceptual approach



...



Informal —————> Formal



collection & sharing of collaboration items

interrelation & evolution of collaboration items

informal / semiformal aggregation of collaboration items

formal exploitation of collaboration items patterns

exploitation of legacy resources

informal / semiformal argumentation

semantic annotation of collaboration items

formal argumentation and reasoning mechanisms

Formality

CoPe_it!

- Three supported projections of argumentative collaboration:
 - Forum projection
 - CoPe_it! Informal projection
 - CoPe_it! Formal projection

CoPe_it!

■ Forum projection

– Enables the argumentation to proceed as in Web based forums

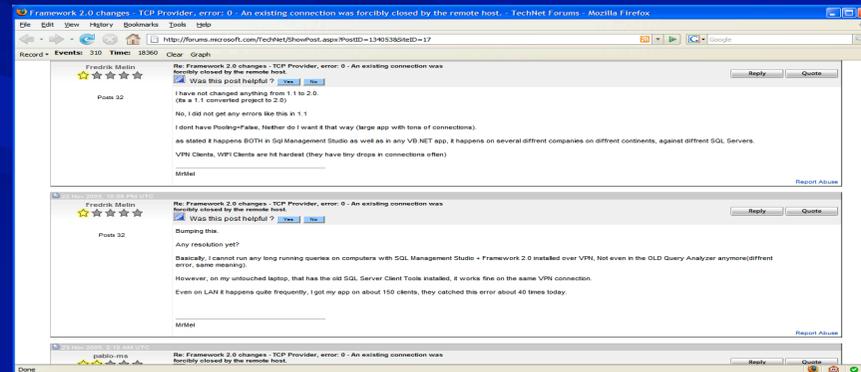
■ Existing external forums are supported e.g. (phpBB)

– Aims at

■ Collecting

■ Sharing

■ Exploitation of resources (posts, files, URLs etc)



CoPe_it!

■ CoPe_it! Informal Projection

- Enables easy organization of knowledge items via a desktop metaphor
 - E.g. items that were introduced in the forum projection
- Provides rich set of abstractions to structure easily knowledge items (human interpretable)
 - Enable rapid changes/modifications
- Aim is to support the process of “information triage”
 - incrementally formalize the collaboration space.
 - Move from AV pairs/visual cues to types (system understandable).

CoPe_it!

- Informal Projection
- “**emergence-in-the-small**” happens here
 - small changes in knowledge items make the entire space evolve
- Aims not only at analysis but also **on synthesis**
- Provides user-defined abstractions and a rich set of abstraction mechanisms

CoPe_it!

■ CoPe_It! Informal projection

– Abstractions

■ Spatial proximity

- Expressing implicit relationships of items

■ Visual cues

- Express tacit semantics

■ Knowledge types

- Notes, Ideas, Comments
- Items can be transformed to any knowledge type at any time

■ Explicit Relationships

- Arbitrary explicit relationships between knowledge items

Ability to add different knowledge types by anyone ...

The screenshot displays the CoPe_it! web application interface within a Mozilla Firefox browser window. The browser's address bar shows the URL `http://copeit.cti.gr/Workspace/init.aspx#`. The application header includes the CoPe_it! logo, navigation menus (CoPe_it!, Actions, Workspace, Profile, Help), and the user's name, Nikos Karousos1. The main workspace area is titled "Patient P-Onc-164/05 (Brea...)" and features a "Medical Association" header. A modal window titled "Inserting new object" is open, allowing the user to add content. The modal has tabs for "Idea", "Comment", "Note", and "Unknown". The "Text" tab is selected, showing a title field with "Modified radical mastectomy" and a content field with the text "It is on of the most general solutions for this type of cancer". A status bar at the bottom of the modal indicates "Adding Text as Idea".

Space with an Inserted Idea

Patient P-Onc-164/05 (Brea...  

Medical Association

Relate with other Item

Change Idea to Note / Comment / Other

View Item Info

Change Title

Delete Item

 karousos
5/22/2008
10:21 AM
Modified radical mastectomy

Menu Mini Map

- Adding a second Idea

Patient P-Onc-164/05 (Brea...  

Medical Association

 karousos
5/22/2008
10:22 AM
Lumbectomy

 karousos
5/22/2008
10:21 AM
Modified radical
mastectomy

Menu **Mini Map**



■ Adding a file (document)

The screenshot illustrates the process of adding a file to a web application. On the left, a Windows Explorer window shows the 'PAPERS' folder containing several PDF files, with 'p137-nam.pdf' selected. The 'File name' field is set to 'p137-nam.pdf'. In the background, a web browser window displays a page for 'Manolis Tzagarakis' with a 'Medical Association' header. An 'Inserting new object' dialog box is open in the foreground, showing options for 'Idea', 'Comment', 'Note', and 'Unknown'. The 'File' option is selected, and the 'File' field contains the path 'C:\Documents and Settings\nikos\Desktop\F'. A status bar at the bottom of the dialog reads 'Adding File as Unknown'.

- Creating an “In favor” relationship between the doc and the first Idea

Medical Association

Patient P-Onc-164/05 (Brea...)

tzagara 5/22/2008 10:25 AM
Pay Attention

karousos 5/22/2008 10:22 AM
Lumbectomy

karousos 5/22/2008 10:21 AM
Modified radical mastectomy

tzagara 5/22/2008 10:28 AM
On tumor sizes and position...

In Favor
Against
Neutral
Neutral
Neutral
Neutral
Neutral

Menu

Mini Map

The screenshot shows a web-based interface for a medical association. At the top, there is a browser tab for 'Patient P-Onc-164/05 (Brea...)' and a logo for 'Medical Association'. The main area contains several nodes and a relationship. On the left, there are two nodes: 'Pay Attention' (created by tzagara on 5/22/2008 at 10:25 AM) and 'Lumbectomy' (created by karousos on 5/22/2008 at 10:22 AM). In the center, there is a node 'Modified radical mastectomy' (created by karousos on 5/22/2008 at 10:21 AM). On the right, there is a node 'On tumor sizes and position...' (created by tzagara on 5/22/2008 at 10:28 AM). A green arrow points from the 'On tumor sizes and position...' node to the 'Modified radical mastectomy' node. A context menu is open over this arrow, showing options: 'In Favor' (green), 'Against' (red), 'Neutral' (black), 'Neutral' (yellow), 'Neutral' (light green), 'Neutral' (light blue), and 'Neutral' (grey). At the bottom, there are 'Menu' and 'Mini Map' buttons.

■ Adding more Items. Transforming a Note to an Idea

Patient P-Onc-164/05 (Brea...)

tzagara 5/22/2008 10:25 AM
Pay Attention

karousos 5/22/2008 10:22 AM
Lumbectomy

karousos 5/22/2008 10:21 AM
Modified radical mastectomy

tzagara 5/22/2008 10:28 AM
On tumor sizes and position...

gkotsis 5/22/2008 10:45 AM
What about Radiation???

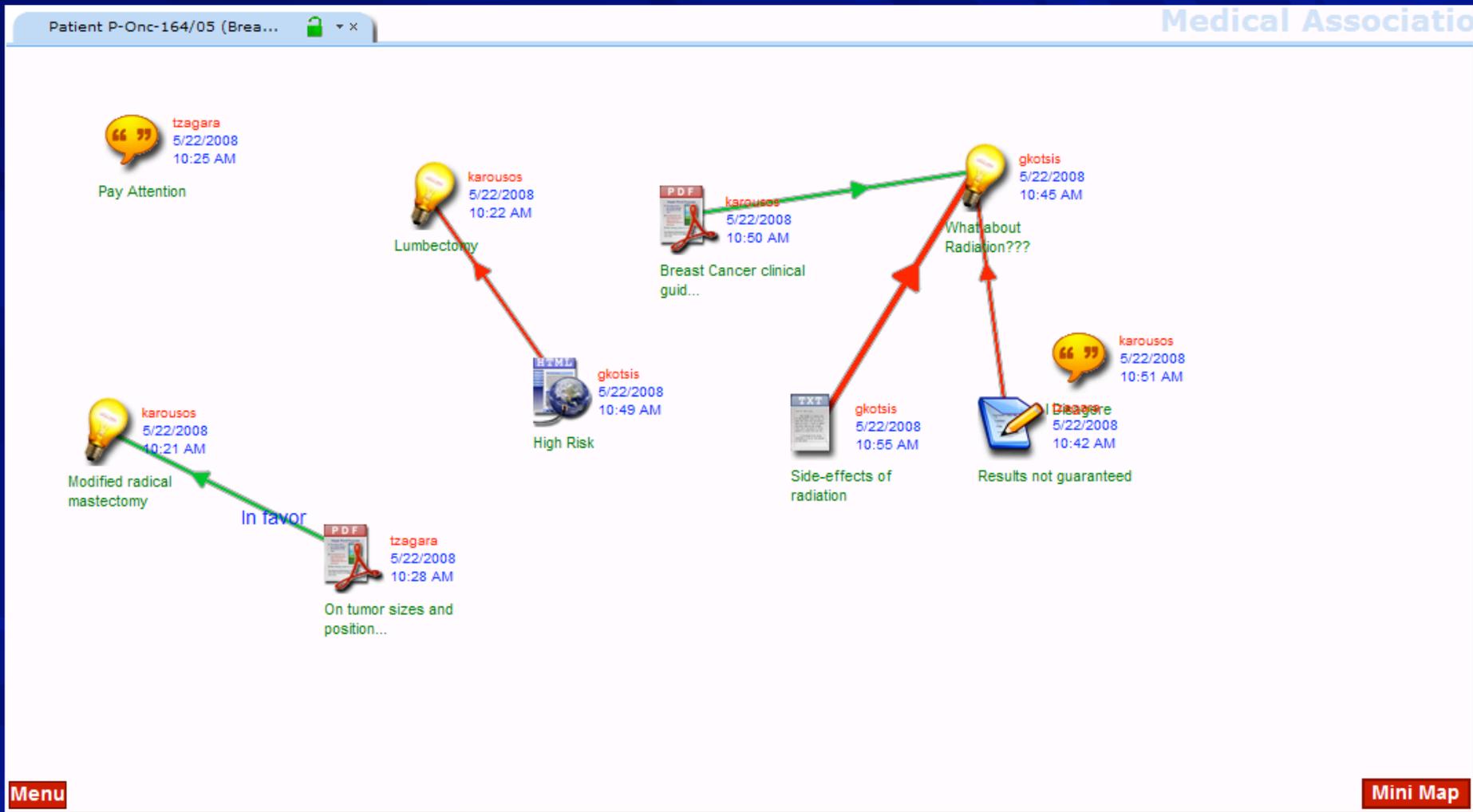
tzagara 5/22/2008 10:42 AM
Results not guaranteed

Menu

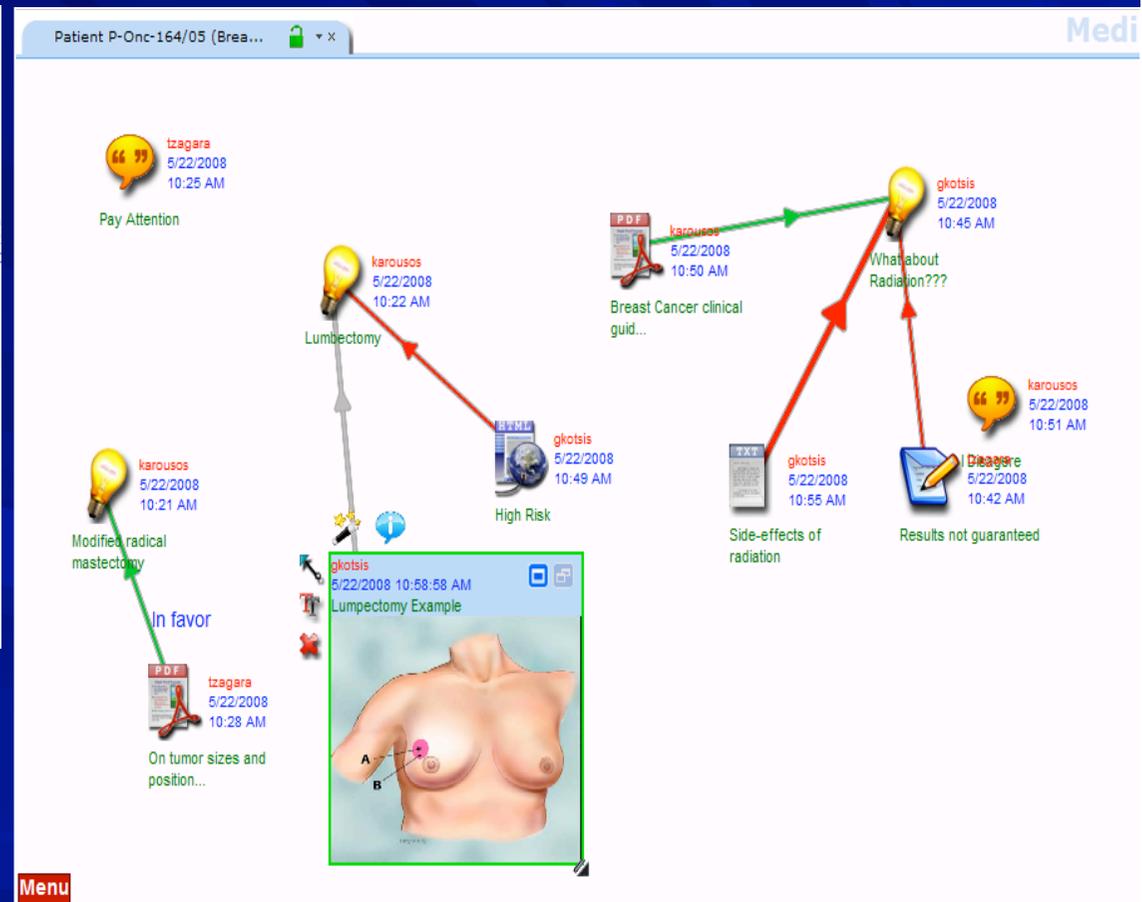
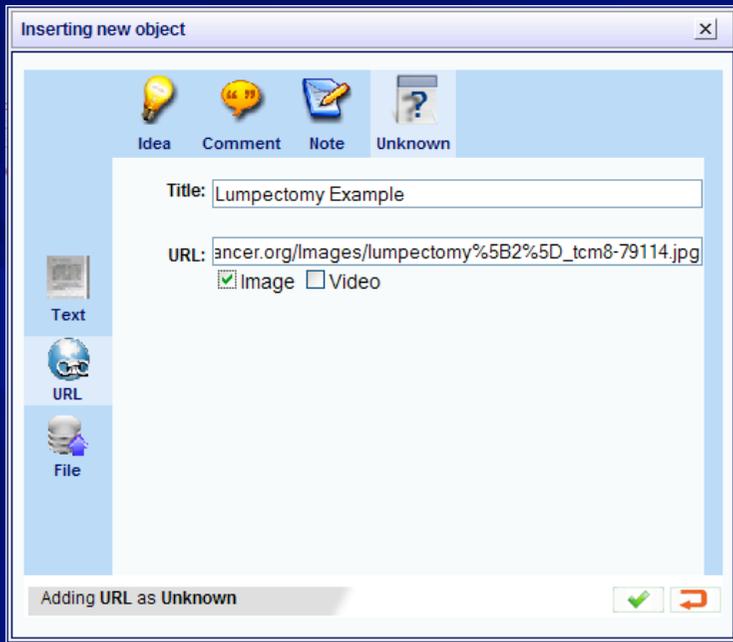
gkotsis 5/22/2008 10 AM
What about Radiation???

tzagara 5/22/2008 10:42 AM
Results not guaranteed

■ More Items in the discussion by several members



- Adding an Embedded Item (Image)



CoPe_it!

■ CoPe_It! Informal projection (cont.)

- Annotation and metadata

- Abstraction mechanisms

- Aggregate

- Clustering structures and items

- Specialize

- Create semantically coarse or details knowledge items

- Break an item

- Take fragments a knowledge item, treating them as first class objects...but keep track of their origin

- Patterns

- Specify instances of structured knowledge items as templates that can be reused.

Aggregating items

Patient P-Onc-164/05 (Brea... Medical Association

tzagara 5/22/2008 10:25 AM
Pay Attention

karousos 5/22/2008 10:22 AM
Lumpectomy

gkotsis 5/22/2008 10:49 AM
High Risk

karousos 5/22/2008 10:50 AM
Breast Cancer clinical guid...

gkotsis 5/22/2008 10:45 AM
What about Radiation???

karousos 5/22/2008 10:51 AM
Disagree

gkotsis 5/22/2008 10:55 AM
Side-effects of radiation

gkotsis 5/22/2008 10:42 AM
Results not guaranteed

Solution1
karousos 5/22/2008 10:21 AM
Modified radical mastectomy
In favor
tzagara 5/22/2008 10:28 AM
On tumor sizes and position...

gkotsis 5/22/2008 10:58:58 AM
Lumpectomy Example

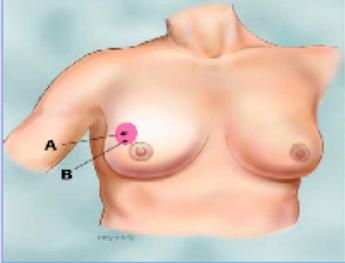
Menu Mini Map

■ Aggregating (cont.)

Patient P-Onc-164/05 (Brea... Medical Association

tzagara 5/22/2008 10:25 AM
Pay Attention

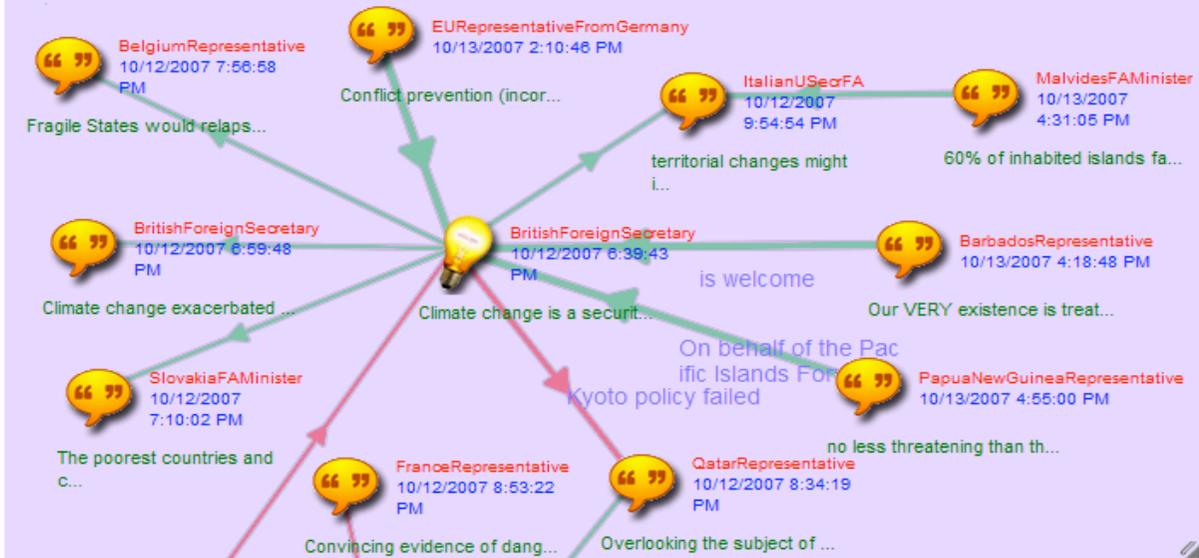
Solution 1
karousos 5/22/2008 10:21 AM
Modified radical mastectomy
In favor
tzagara 5/22/2008 10:28 AM
On tumor sizes and position...

Solution 2
karousos 5/22/2008 10:22 AM
Lumpectomy
gkotsis 5/22/2008 10:49 AM
High Risk
gkotsis 5/22/2008 10:58:58 AM
Lumpectomy Example


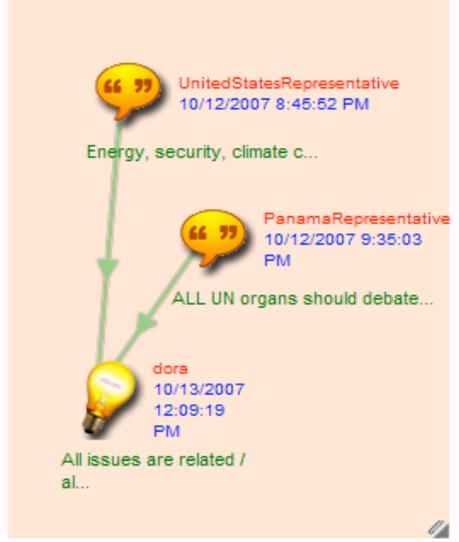
Solution 3
karousos 5/22/2008 10:50 AM
Breast Cancer clinical guide...
Breast Cancer clinical guide...
gkotsis 5/22/2008 10:45 AM
What about relation???
gkotsis 5/22/2008 10:55 AM
Side-effects of radiation
karousos 5/22/2008 10:51 AM
Results not guaranteed

Menu Mini Map

Climate change is a SECURITY ISSUE



Issues are related/all organs debate...



...is an issue of SUSTAINABLE DEVELOPMENT



Position of Non-Aligned Movement



Mini Map

Transferring data from 150.140.18.39...



CoPe_it!

■ CoPe_It! Workspace views

- different views of the informal projection are possible
 - View **is read-only** in contrast to a projection
 - Is an additional navigation device of the workspace.
- Two view of the informal projection are possible ...

- Time-Ordered view of the discussion

Patient P-Onc-164/05 (Brea... Medical Association

Modified radical mastectomy
User karousos (Nikos Karousos) on 22/5/2008 10:21:01 πμ
It is on of the most general solutions for this type of cancer

Lumbectomy
User karousos (Nikos Karousos) on 22/5/2008 10:22:23 πμ

Pay Attention
User tzagara (Manolis Tzagarakis) on 22/5/2008 10:25:45 πμ

- Tag Cloud View

Patient P-Onc-164/05 (Brea... Medical Association

side-effects results pay radical
disage re positions high sizes
breast cancer modified radiation
guide radiation ??? clinical
mastectomy tumor guaranteed
example lumpectomy
lumbectomy attention risk

CoPe_it!

■ CoPe_It! **Formal projection**

- Aims at providing a formal environment of the **same collaboration** where decision making can be supported
- Provides a **semantically fixed of abstractions** (IBIS like)
 - Alternatives
 - Positions
 - Can be against or in favor of alternatives
 - Preferences
 - orders positions : e.g. “more important than”
- CoPe_it! provides “active” support
 - Reasoning mechanisms (calculates current prevailing alternative)
- Informal projections can be transformed into formal ones (switching projections)

CoPe_it!

■ Switching projections

- Once trends **emerged** during the collaboration at the “informal” stage the collaboration/workspace “transforms”
 - Evolutional step to more formal collaboration can be requested
- Transformation are according to a set of rules
 - Rules can be adapted to meet the CoPs needs

■ Signals “emergence-in-the-large”

- Transform discussion from informal to a formal one

Patient P-Onc-164/05 (Brea...)

Medical Association

tzagara 5/22/2008 10:25 AM
Pay Attention

Solution 1

karousos 5/22/2008 10:21 AM
Modified radical mastectomy

In favor

tzagara 5/22/2008 10:28 AM
On tumor sizes and position...

Transform to Formal

Proceed to Transformation?

Transformation from informal to formal view is executing according to the following set of rules:

Workspace Title	→	Issue
Idea	→	Alternative
Linked Items	→	Position
Other Cases	→	Ignore

Link Attributes:

Title:	In Favour	Color:	In Favour
"Support", "Favour", "Agree"	→	Against	→
Color:	Against	In Favour	→
"Against", "Defeat", "Disagree"	→	Against	→

Here you can find detailed information about the [transformation rules](#).

karousos 5/22/2008 10:51 AM

aggre 5/22/2008 10:42 AM

aranteed

Menu Mini Map

■ Formal discussion

Medical Association

[View detail window](#) | [View submission dates](#) | [View message creators](#) | [Show help](#)

- [-] Patient P-Onc-164/05 (Breast Cancer)
 - [+] [Modified radical mastectomy](#)
 - [+] [On tumor sizes and positions](#)
 - [-] [Lumpectomy](#)
 - [+] [High Risk](#)
 - [-] [What about Radiation???](#)
 - [+] [Results not guaranteed](#)
 - [+] [Breast Cancer clinical guide](#)
 - [+] [Side-effects of radiation](#)

The Formal Projection of a Discussion,
can suggest a winning alternative
based on a particular reasoning algorithm

From Informal to Formal

Patient P-Onc-164/05 (Breast Cancer) Medical Association

Solution 1

- Modified radical mastectomy
- On tumor sizes and position...

Solution 2

- Lumpectomy
- High Risk

Solution 3

- Breast Cancer clinical guide...
- Side-effects of radiation
- Results not guaranteed

Pay Attention

Menu

Mini Map

Patient P-Onc-164/05 (Breast Cancer)

View detail window | View subn...

- Patient P-Onc-164/05 (Breast Cancer)**
 - Modified radical mastectomy
 - On tumor sizes and positions
 - Lumpectomy
 - High Risk
 - What about Radiation???
 - Results not guaranteed
 - Breast Cancer clinical guide
 - Side-effects of radiation

- Continuation of the discussion in the formal projection: Adding a position

The screenshot shows a web browser window with two tabs. The active tab is titled "Patient P-Onc-164/05 (Breast Cancer) :: karousos :: Πέμπτη, 22 Μαΐου 2008". The page header includes "Medical Association" and navigation links: "View detail window", "View submission dates", "View message creators", and "Show help".

The main content area displays a tree view of discussion topics:

- Modified radical mastectomy :: karousos :: Πέμπτη, 22 Μαΐου 2008
 - On tumor sizes and positions :: tza...
- Lumpectomy :: karousos :: Πέμπτη, 22 Μαΐου 2008
- High Risk :: qkotsis :: Πέμπτη, 22 Μαΐου 2008
- What about Radiation??? :: qkotsis :: Πέμπτη, 22 Μαΐου 2008
 - Results not guaranteed :: tza...
 - Breast Cancer clinical guide :: ka...
 - Side-effects of radiation :: qkotsis :: Πέμπτη, 22 Μαΐου 2008

A modal dialog box titled "http://copeit.cti.gr - CoPe_it! - New Position - Mozilla Firefox" is open over the "Side-effects of radiation" topic. The dialog contains the following form fields:

- Add new position** (Section Header)
- In:** Side-effects of radiation
- Subject:** [Empty text box]
- Position is:** in favor against
- Proof standard:** Preponderance of Evidence (dropdown menu)
- URL:** [Empty text box]
- Comments:** [Empty text area]
- Add attachments:** File 1: [Empty text box] [Browse...], File 2: [Empty text box] [Browse...]
- Buttons:** Submit Position, Clear, Cancel

CoPe_it! Additional Features

- Workspace functionality
- User and Role management within CoPe_it!
- Import – Export
- Awareness

Additional features of CoPe_it!: Workspace functionality

- Keeping personal copies of a workspace

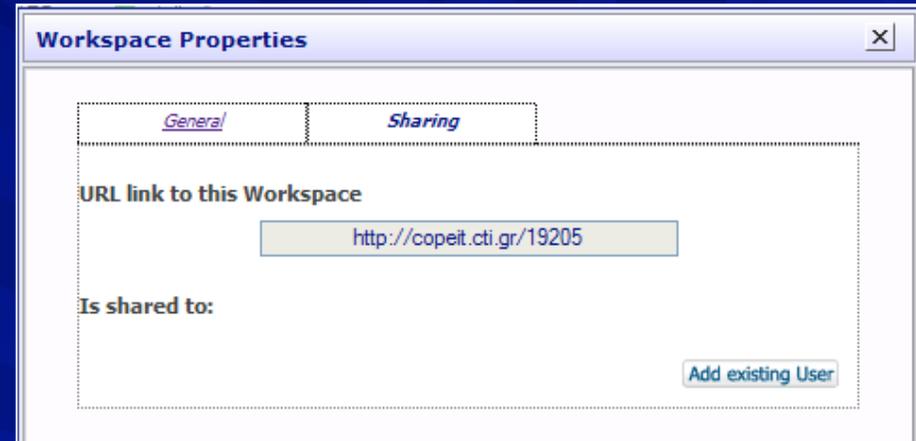
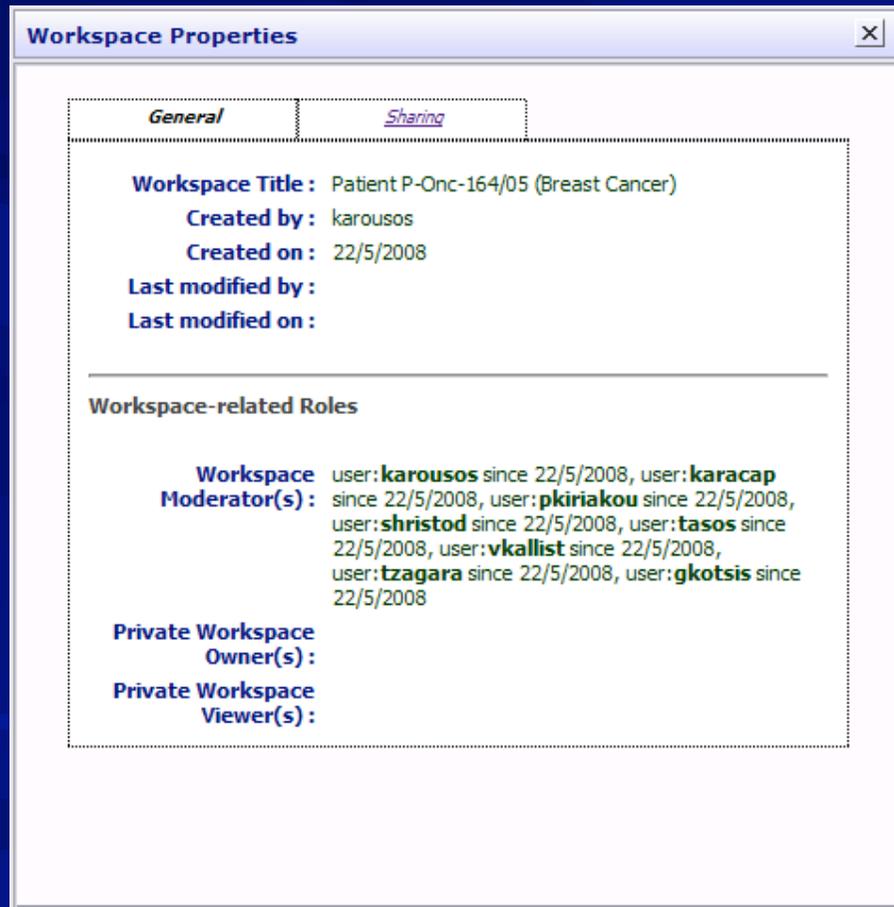
The screenshot displays the CoPe_it! workspace interface for a patient case. The main window shows a patient case titled "Patient P-Onc-164/05 (Brea...)" and a copy of it. The workspace is divided into three solution areas:

- Solution 1:** Contains a lightbulb icon labeled "Modified radical mastectomy" by user "karousos" (5/22/2008 10:21 AM). Below it, a PDF icon labeled "On tumor sizes and position..." by user "tzagara" (5/22/2008 10:28 AM) is marked "In favor".
- Solution 2:** Contains an HTML icon labeled "High Risk" by user "gkotsis" (5/22/2008 10:49 AM). Below it, a window titled "Lumpectomy Example" by user "gkotsis" (5/22/2008 10:58:58 AM) shows an anatomical diagram of a breast with points A and B.
- Solution 3:** Contains a lightbulb icon labeled "What about Radiation???" by user "gkotsis" (5/22/2008 10:45 AM). It also includes a PDF icon "Breast Cancer clinical guid..." by "karousos" (5/22/2008 10:50 AM), a TXT icon "Side-effects of radiation" by "gkotsis" (5/22/2008 10:55 AM), and a notepad icon "Results not guaranteed" by "karousos" (5/22/2008 10:51 AM).

A context menu is open over the workspace, listing options: Desktop View, Formal View, Time-ordered View, Filtered View, Context Aware View, Tag Cloud, Copy Space, Clear Space, Replay, and Properties. The "Copy Space" option is highlighted. The interface also includes a "Menu" button at the bottom left and a "Mini Map" button at the bottom right.

Additional features of CoPe_it!: Workspace functionality

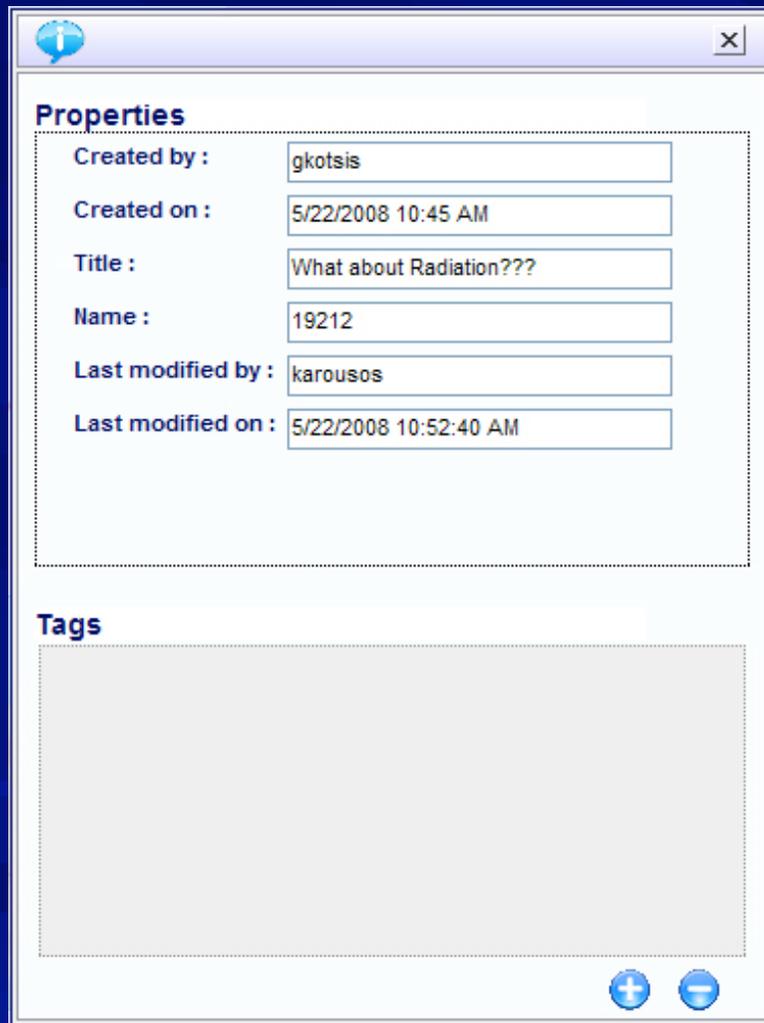
- Workspace properties.



- Sharing a workspace.

Additional features of CoPe_it!: Workspace functionality

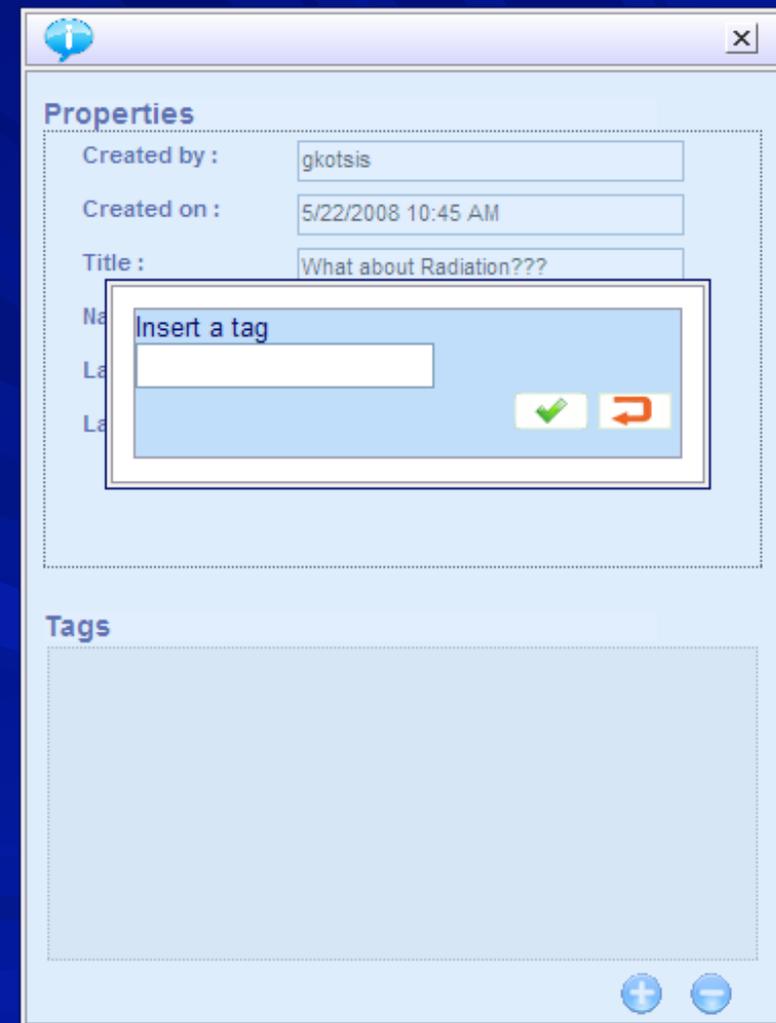
- Item properties. Tagging



The screenshot shows a window titled "Properties" with a close button (X) in the top right corner. The window contains several text input fields with labels to their left:

- Created by : gkotsis
- Created on : 5/22/2008 10:45 AM
- Title : What about Radiation???
- Name : 19212
- Last modified by : karousos
- Last modified on : 5/22/2008 10:52:40 AM

Below the "Properties" section is a "Tags" section, which is currently empty. At the bottom right of the window are two circular buttons, one with a plus sign (+) and one with a minus sign (-).



This screenshot shows the same "Properties" dialog box as the previous one, but with a modal dialog box overlaid on top. The modal dialog is titled "Insert a tag" and contains a text input field. To the right of the input field are two buttons: a green checkmark button and a red circular arrow button. The "Properties" section below the modal is partially obscured but still visible.

Additional features of CoPe_it!: User & role mngmt.

- RBAC access control.
- Roles are assigned to CoPe_it! members by authorized users.
- Roles are customizable in run-time.
- A community member can modify his/her profile, and view the assigned roles.

Profile Help

View My Profile

Preferences

Bold fields are required.

User info Roles and Memberships

CoPe_it! Name: karousos

First Name: Nikos

Last Name: Karousos

Email: karousos@gmail.com

Photo(25x25): Browse...

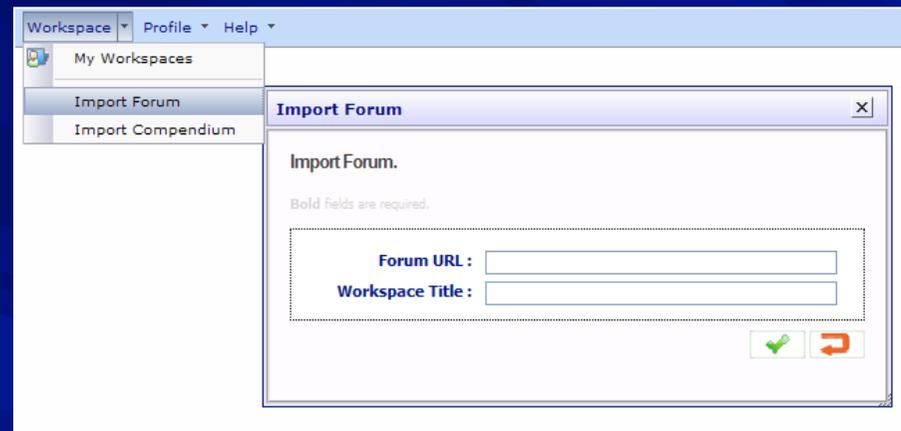
Address: s1

[Add a new field](#)

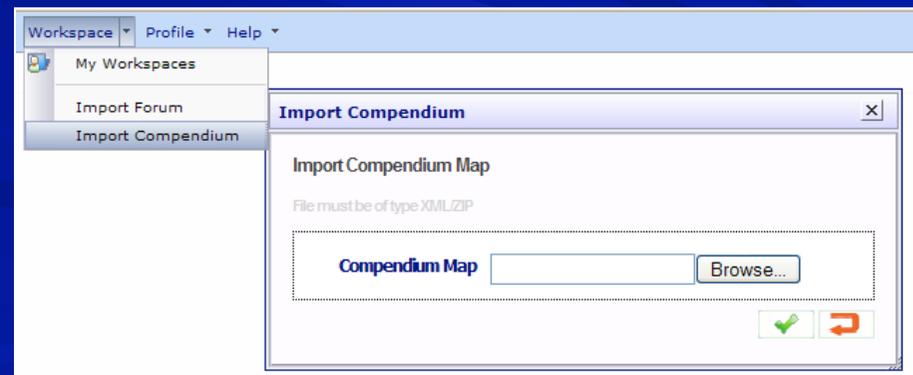
User Info	Roles and Memberships
Community Title	Role Name
Medical Association	CommunityLeader
	CommunityMember
teimes	CommunityMember
Earth	CommunityMember
Test Community	CommunityMember
Other Roles	
PrivateWSOwner on workspace:	[copy of Patient P-Onc-164/05 (Breast Cancer)]
WSModerator on workspace:	[Patient P-Onc-164/05 (Breast Cancer)]
WSViewer on workspace:	[ewqewewqewqewqewewewew]
WSViewer on workspace:	[ewqewew]
PrivateWSOwner on workspace:	[Fygaleia]
WSModerator on workspace:	[copy of Research map biofuel]
PrivateWSOwner on workspace:	[test]
WSModerator on workspace:	[Δοκιμαστικός Χώρος]
WSModerator on workspace:	[Η ειδήσεις στην τηλεόραση σήμερα]
WSModerator on workspace:	[Τρόποι διεξαγωγής εργαστηρίων]
PrivateWSOwner on workspace:	[ΑΠΟΣΤΟΛΗ ΕΡΩΤΗΜΑΤΟΛΟΓΙΩΝ]
WSModerator on workspace:	[ΑΠΟΣΤΟΛΗ ΕΡΩΤΗΜΑΤΟΛΟΓΙΩΝ No 2]
CoPe_it! Member on :	[CoPe_it! System]

Additional features of CoPe_it!: Import / Export

- A workspace can be starting by importing the contents of a Web Forum giving the URL



- Or by importing a **Compendium Knowledge Map** from a file. A workspace can also be exported to **Compendium**



Additional features of CoPe_it!: Awareness

Patient P-Onc-164/05 (Brea... Medical Association

Replay actions

Solution 1
karousos 5/22/2008 10:21 AM
Modified radical mastectomy
In favor
tzagara 5/22/2008 10:28 AM
On tumor sizes and position...

Solution 2
karousos 5/22/2008 10:22 AM
Lumpectomy
gkotsis 5/22/2008 10:49 AM
High Risk
gkotsis 5/22/2008 10:58:58 AM
Lumpectomy Example

Solution 3
karousos 5/22/2008 10:50 AM
Breast Cancer clinical guide
gkotsis 5/22/2008 10:45 AM
What about ...ation???

Actions

- Event: 29/69 Actor: spyros actionId: 4 action: move
- Event: 30/69 Actor: spyros actionId: 4 action: move
- Event: 31/69 Actor: spyros actionId: 4 action: move
- Event: 32/69 Actor: spyros actionId: 2 action: create object
- Event: 33/69 Actor: spyros actionId: 4 action: move
- Event: 34/69 Actor: spyros actionId: 4 action: move
- Event: 35/69 Actor: spyros actionId: 4 action: move
- Event: 36/69 Actor: spyros actionId: 4 action: move

Back/Next Step: 1

Merge continuous move actions?:

Start from last space loading?:

Pay Attention

Menu Mini Map

CoPe_it! implementation

■ Modular/Component Based

- Generic infrastructure
 - XML based

■ Service oriented middleware

- SOAP / REST based
- Middleware reifies generic abstractions into domain specific ones
 - Notes, ideas, alternatives, “in-favor” or “against” positions.

Thanks for your attention!

<http://copeit.cti.gr/>

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