

Zeitgeist



Zeitgeist Project

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Zeitgeist

GUADEC 2009

History (GUADEC 2008)



Zeitgeist Project

Preamble: Document-centric GNOME

GUADEC 2008

Zeitgeist @ GCDS 2009

History (GUADEC 2008)



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Thursday, 8:00 PM

Honey (Federico), can you help me find my homework from **last Monday**?

History (GUADEC 2008)



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• Where did you put it?

• *No idea, I just saved it!*

• What did you call it?

• *I don't remember! It's an Essay on the History of Teaching*



- **Previous non-solutions:**

- *Look for the file by browsing through folders*
- *Putting everything in ~/Documents*
- *Using Recent Documents from the menu bar*
- *Using Recent Documents from the application*

History (GUADEC 2008)



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History (GUADEC 2008) Vision




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Favorites




Important




Cool



People











W00t



New tag

To tag a file, drag a tag and drop it on the file

Tags [x]

Tue 08	Wed 09	Thu 10	Fri 11
 Conversation with Luciana	 22 web sites	 Introductory Pedagogy	 Education.odt
	 Letter to mom.odt	 Education.odt	
		 picture.jpg	
		 Conversation with Luciana	

Journal [x]

Reality



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Journal

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Reality



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DEMO

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What did I do?

Computers have no sufficient concept of user activities

Doesn't your computer "participate" in your activities?



Metaphors

Extension of “recently used”

Journal or Diary



Remembering

Memory for facts

– “semantic memory”

Memory for your own activities

– “episodic memory”



Metadata / Context

.Semantic

- Static information properties

.Grouping and linking

- User indicates relationships

.Episodic

- What happened?



User-Activity Perspective

- .Information gains relevance by use
(= employing it in the user's activities)
 - Recency
 - Scoping via time
 - Repetition, frequency
 - Repeated use doesn't mean “doing the same thing twice”
 - Within and across activities
 - Intensity
 - Most used
- .Stuff you use together ... belongs together?



Typical Activities

• Development

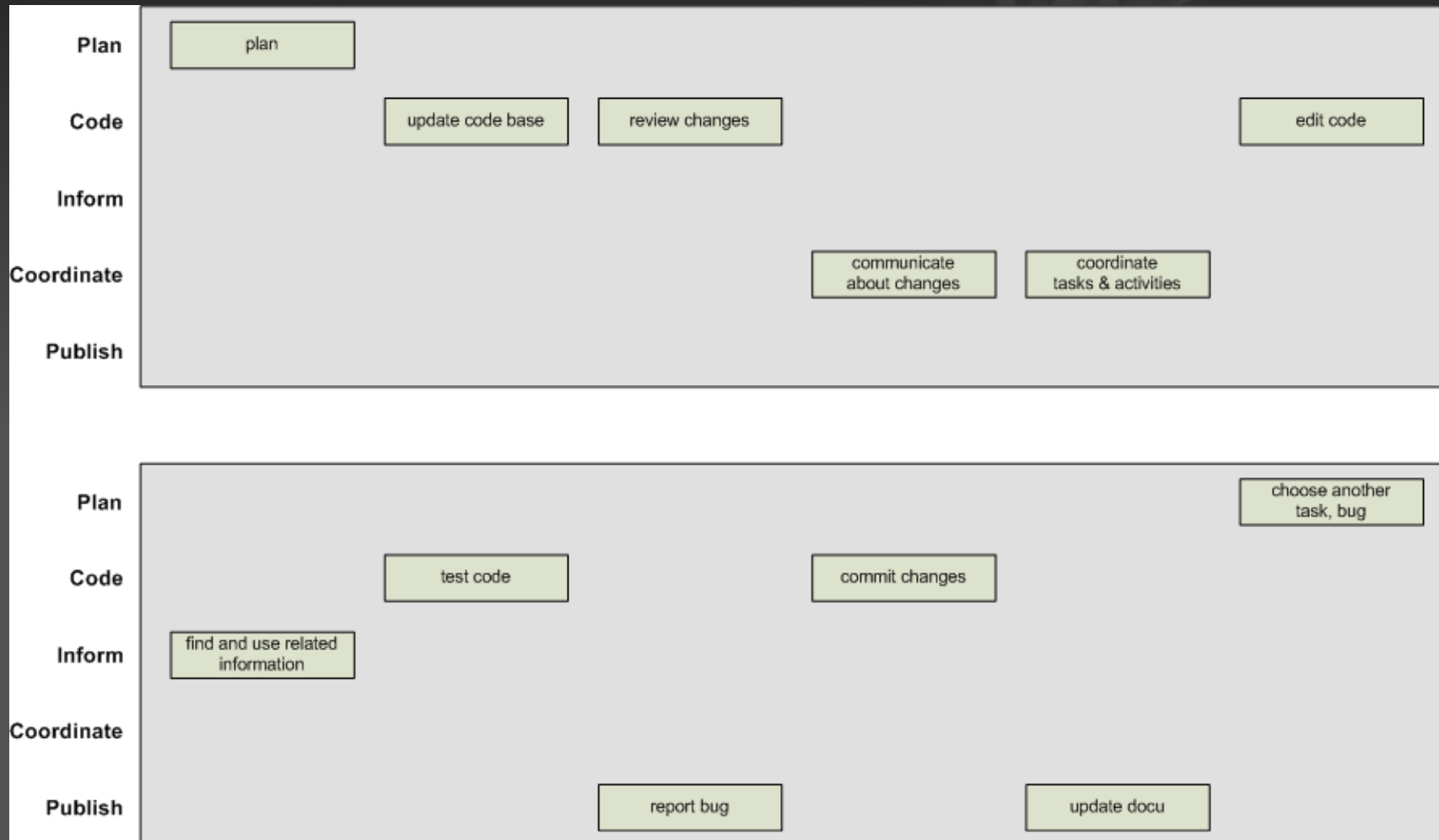
- Plan
- Update code base
- Review changes
- Communicate about changes
- Coordinate tasks & activities
- Edit code
- Find and use related information
- Test code
- Report bug
- Commit changes
- Update documentation
- Choose another task, bug

• Writing a Report

-



Typical Development Activities





Issues

- .Re-find an item
- .Re-find collections of use
- .Resuming work



Further Issues

- Anchoring to real-world events
- Reporting about a certain time period
- Reflaction and Planning
- Keeping track and control of
 - Information Development
 - Where it comes from & where it goes to (Diffusion)



Events

.The basic model



- Tracker, Beagle and Nepomuk is all about **indexing** and **searching** for files and documents
- Zeitgeist is all about **logging Events**.



- Two types of Events:
 - Activity: A user **does** something as in triggers and Event.
 - Notification: Something **happens** that does not originate from the user



- Events are unique
- Events can not be replicated
- Events currently don't have a representation on the Desktop
- What would happen if we look at Events as entities of their own

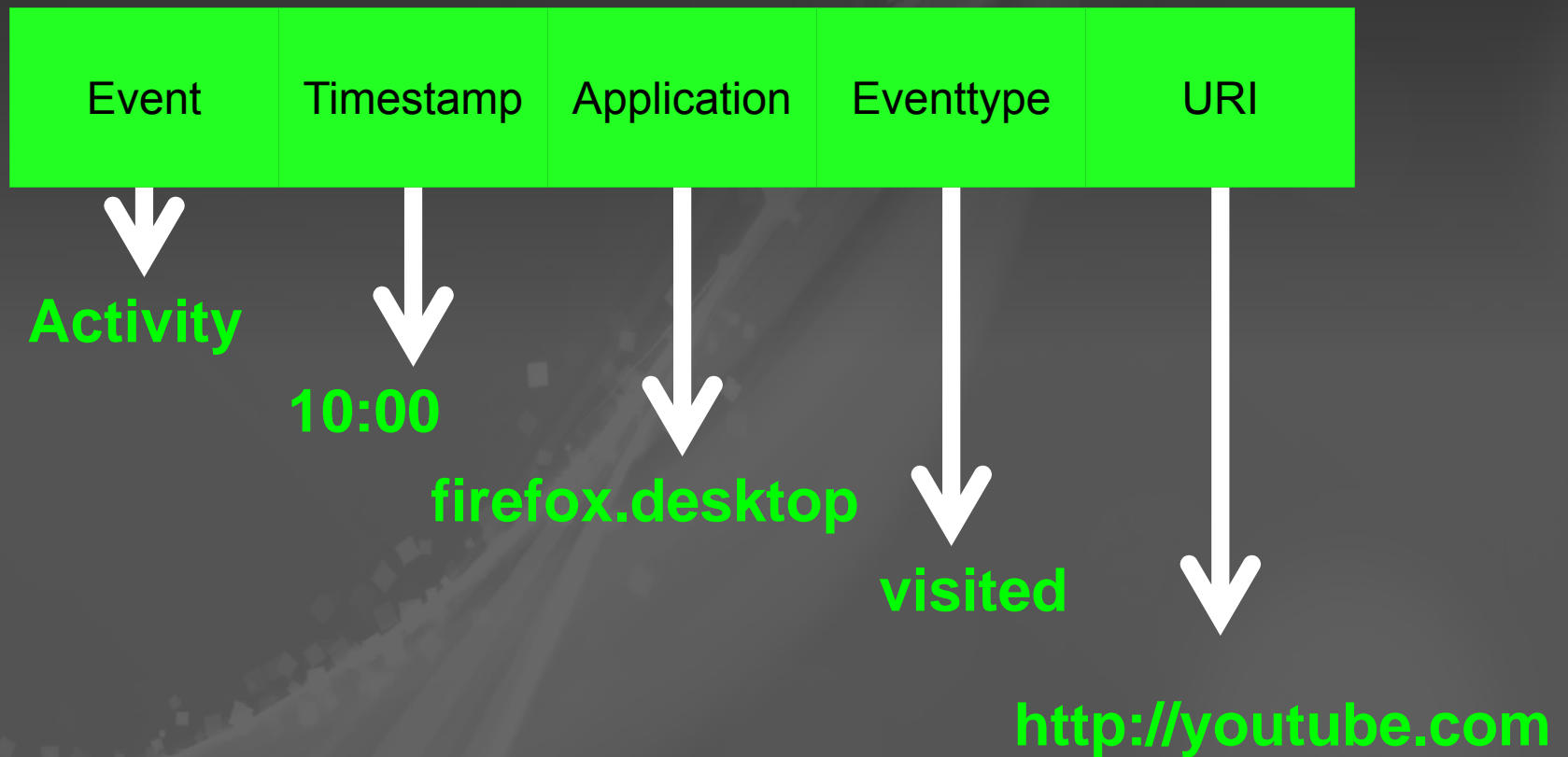


- The source of events are Applications.
- With an Event an Application issues that it is „DOING“(Activity) something or something just „HAPPENED“(Notification)
- Usually (not always) an Event occurs there is a Document involved

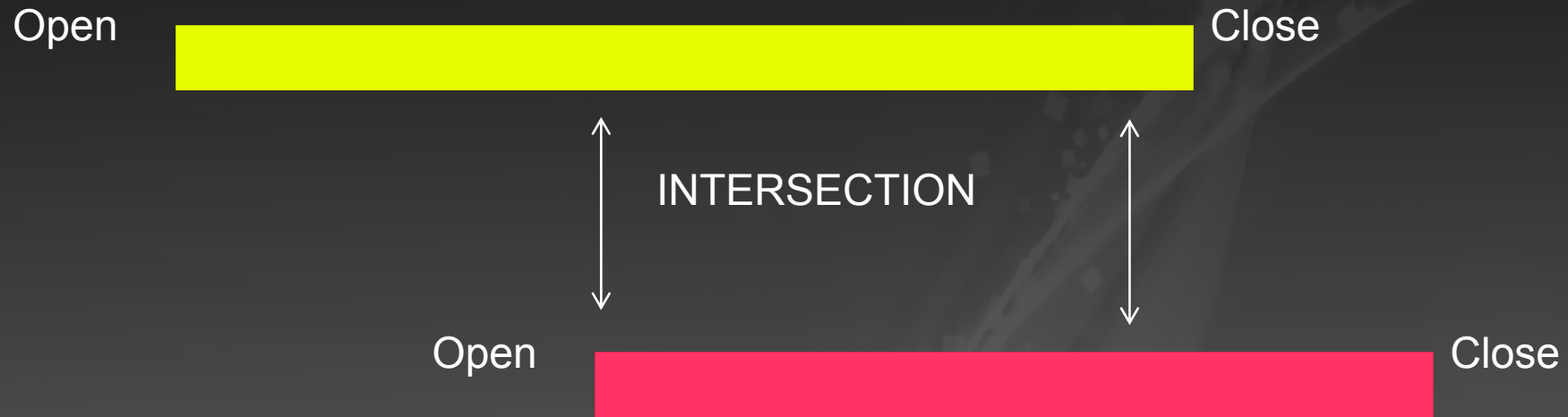
Events





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Using Events:



-  Document 1
-  Document 2



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- What happened?