



IMT4951 - Applied Digital Workflow

1: Course introduction - Project proposal and planning

October 21, 2009

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Welcome [back]!

IMT4891 feedback forms

IMT4891 exam?

The rest of this year?

Expectations?

<p>...material</p> <p>What is your opinion of the course topics and teaching material (books, links, notes, etc)?</p>	<p>“...well organised, but too much to read...”</p> <p>“...useful...”</p> <p>“...cc, UNIX and computer history covers too much...”</p>
<p>...improve material</p> <p>What can we do to make the course topics and teaching material better?</p>	<p>“...you should create small practical projects...”</p> <p>“...make the elective exercises harder...”</p> <p>“...replate the book Tools for Thought...”</p>
<p>...hrs per week</p> <p>How many hours per week have you been spending working on this course?</p>	<p>“lectures/lab+3 hours”</p> <p>“Every Sunday”</p> <p>“10-15”</p>
<p>...lecturer</p> <p>What is your opinion on the lecturer’s performance and competence?</p>	<p>“...well organised...”</p> <p>“...veldig fornøyd...”</p> <p>“...grei fyr som kan det han driver med...”</p>
<p>...improve lecturer</p> <p>What could be done to improve the lecturer’s performance and competence?</p>	<p>“Honestly, I don't think you can improve this...”</p> <p>“Not much, can't point any specifics...”</p> <p>“He could include more examples in the lectures...”</p>
<p>...organisation</p> <p>What is your opinion on how this course is organised (the use of frontier and the web, the lectures, the tasks and the lab-sessions)?</p>	<p>“This course is organized better than most...”</p> <p>“...loved having access to it on a mobile device...”</p> <p>“...good...”</p>
<p>...improve organisation</p> <p>How could the organisation of this course improve (the use of frontier and the web, the lectures, the tasks and the lab-sessions)?</p>	<p>“...repeat questions from the class into the mic. ...”</p> <p>“...dagens fremgangsmåte på opptak... var bra!!”</p>
<p>...other</p> <p>Other comments</p>	<p>“...exam more clearly defined before the actual exam...”</p> <p>“Get other teachers to come to these classes to learn how to better communicate with students”</p>

4891 Exam

October 21+14 days

Results November 4 at the latest

Goal of this course

- Web 2.0 fundamentals, including semantic web technologies
 - Mashup fundamentals including categories, technologies and tools
 - Mashup programming
 - Systems for project planning, milestone- and task tracking
 - Systems for version control
 - Systems for documentation
- Deal with the challenges of a real-life project
 - Start to think, work and deliver in an academic fashion
 - Get to practice the contents of the previous course

Outline of this course

Week	Lectures (2 hour sessions)	Individual project work
43	Course introduction - Writing a project proposal and making a plan	Choosing/creating a project and writing a project proposal and plan
44	Workflow support-systems: Planning, deliveries and documentation	Write project proposal/plan
45	Web 2.0, the semantic web and web Mashup using KML	Deliver project proposal/plan
46		Project work
47	-	Project work
48	-	Project work
49	-	Final Delivery

> 50 hrs

Minimum: (7 weeks x 8 hrs/week) - 6 = 50

Lectures

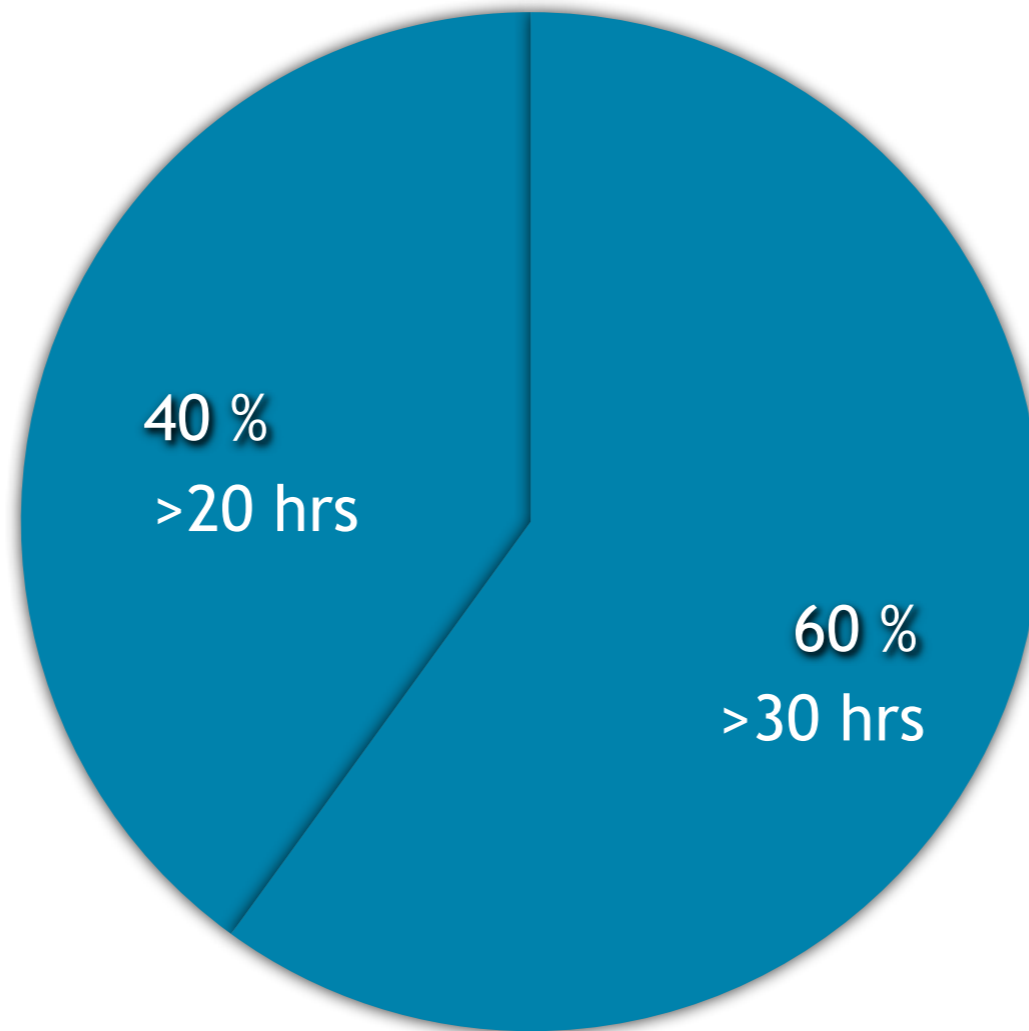


Final grade

Project proposal/plan



Written i LaTeX
Delivered as .pdf in Fronter



Final project report



Written i LaTeX
Delivered as .pdf in Fronter

Web page presentation

Scripts
html/kml
pictures



Methods and means

Expert interviews

Expert interviews

Writing/testing code

UNIX and open source
software

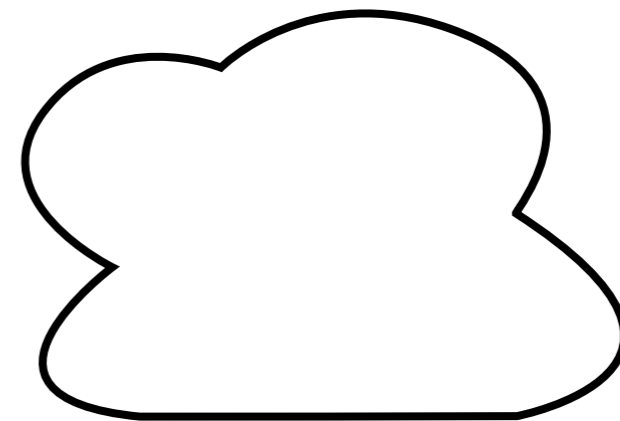
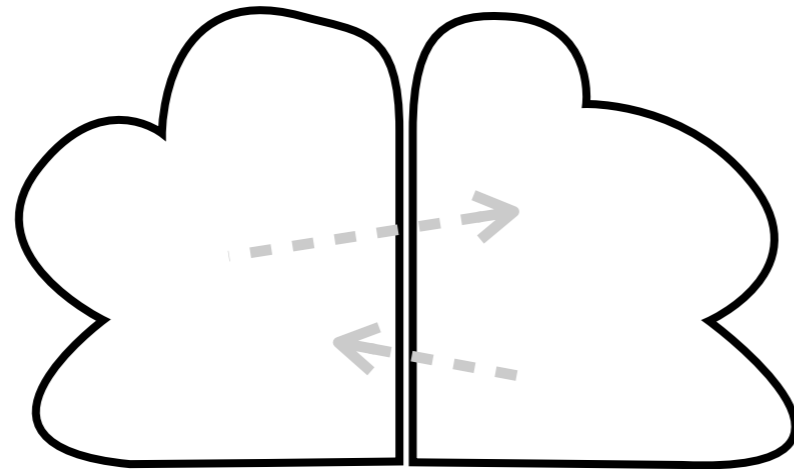
Your own data+code

Other people's data

Online services

Execution

Individual projects



Execution II

Project proposal and plan

Minimum 1 guidance session with lecturer before deadline.

Project design and implementation

Minimum 2 guidance sessions with lecturer before deadline.

Guidance

A224-AB

<http://hevn.hig.no/>

kjell.refsvik@hig.no

Skype:refsvik

A project proposal and plan?

Looks forward

Purpose

Lets people around you know:

what - why - how - cost

Planning

The act of conscious planning is more important than the method or software

project_plan.numbers

Project plan - "Project A"

Last revision: <date>
Project manager: <name>

Milestones	Activities	Persons	Resources	Dependencies	Risk	43	44	45	46	47	48	49	Total hours
1.Proposal/plan													
2.Final report													

What

Who

Resources, dependencies
and risk

When

Cost

In addition to a plan

1. Describe the problem

why does it deserve attention and who has addressed this problem before

2. State the research questions

concrete questions that could be answered (and verified).

3. State the methods that is going to be used to try to solve the questions

4. Define a goal

Write a project proposal and plan

Knowledge on how to prepare a pre-project report could come in very handy if you wanted to apply for project funds or a research grant in the future.

The purpose of a pre-project report is to let your surroundings know what you're thinking in terms of the thing you want to do.

Project report?

Looks back

Purpose

Lets people around you know:

what you have done

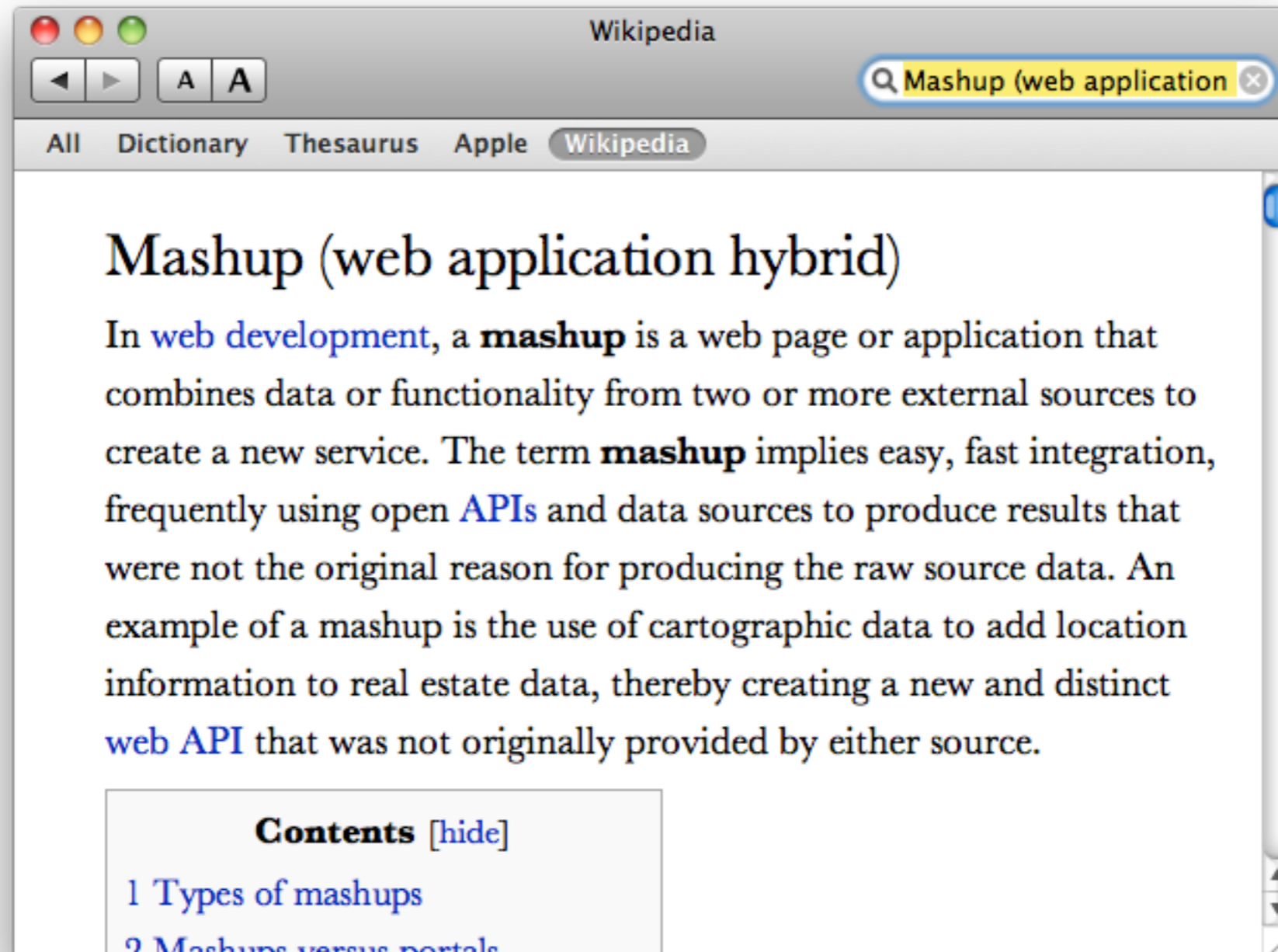
how you have done it

why you have done it, including

discussions, conclusions and

suggestions for the future

Mashup



Technology

1. Collect

Cameras, GPS-devices, scanners, ...

2. Describe

GPS-devices, ExifTool, ...

3. Transform/transcode

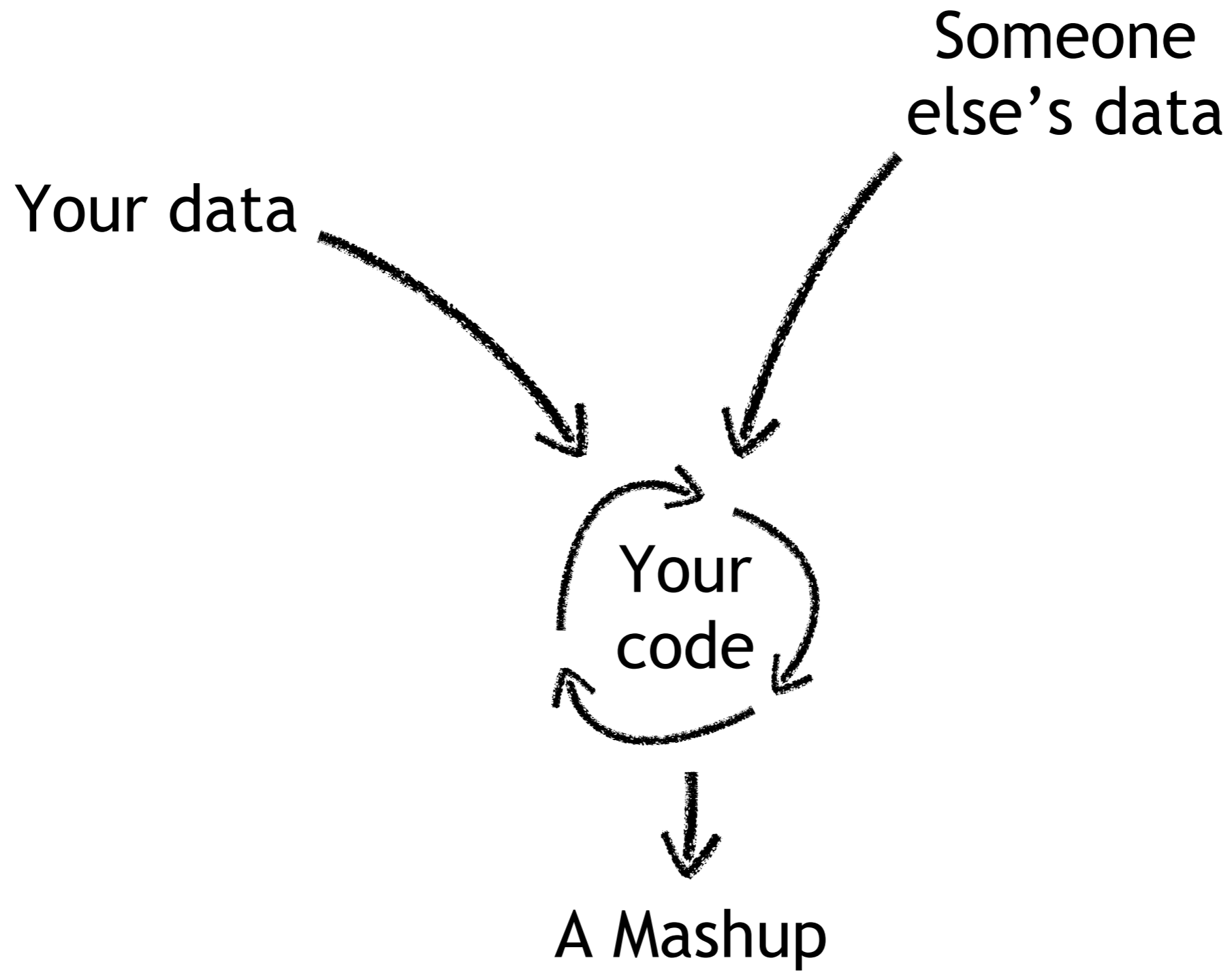
ffmpeg, vlc, imagemagick, ...

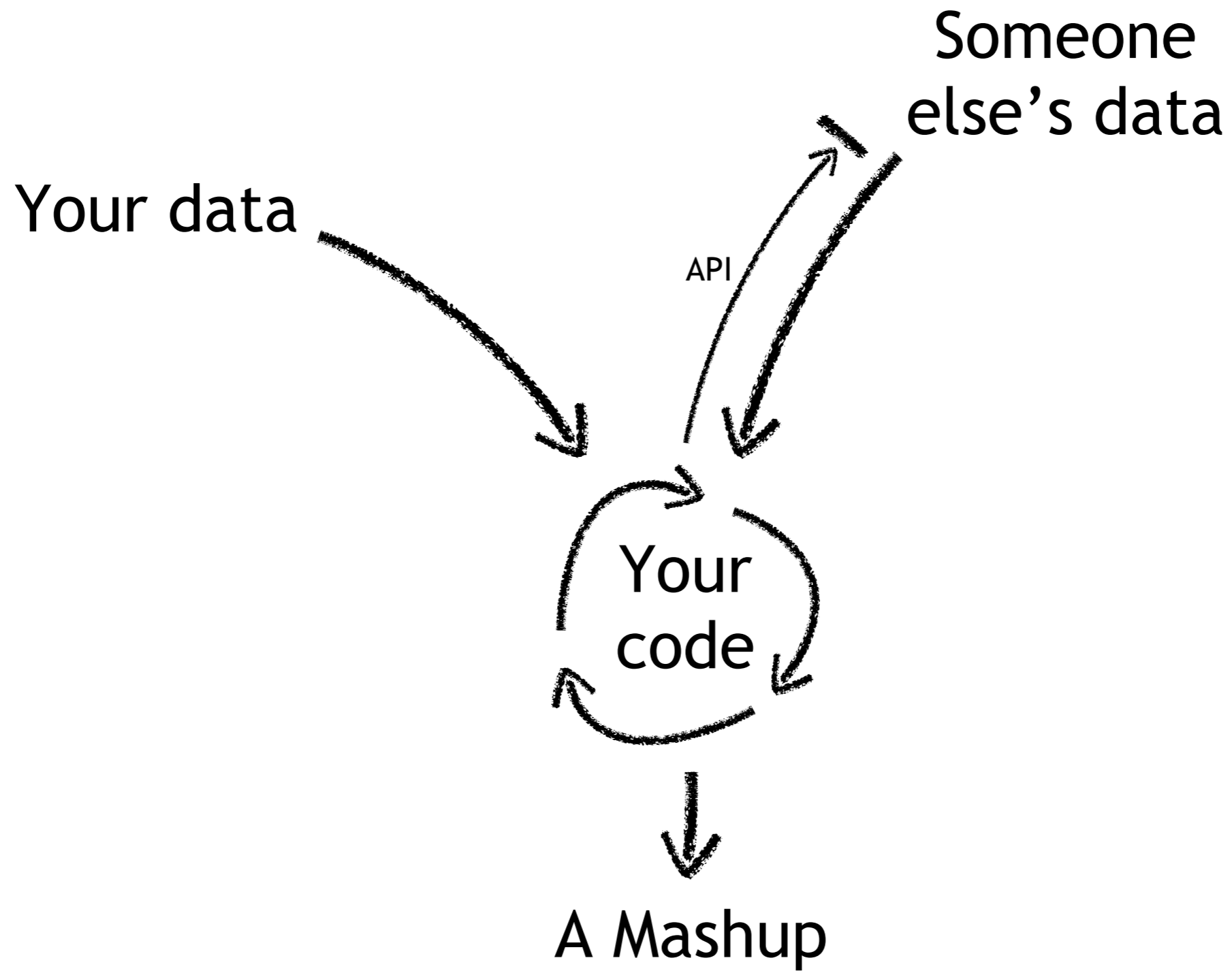
4. Move

curl, wget, scp, sftp, ...

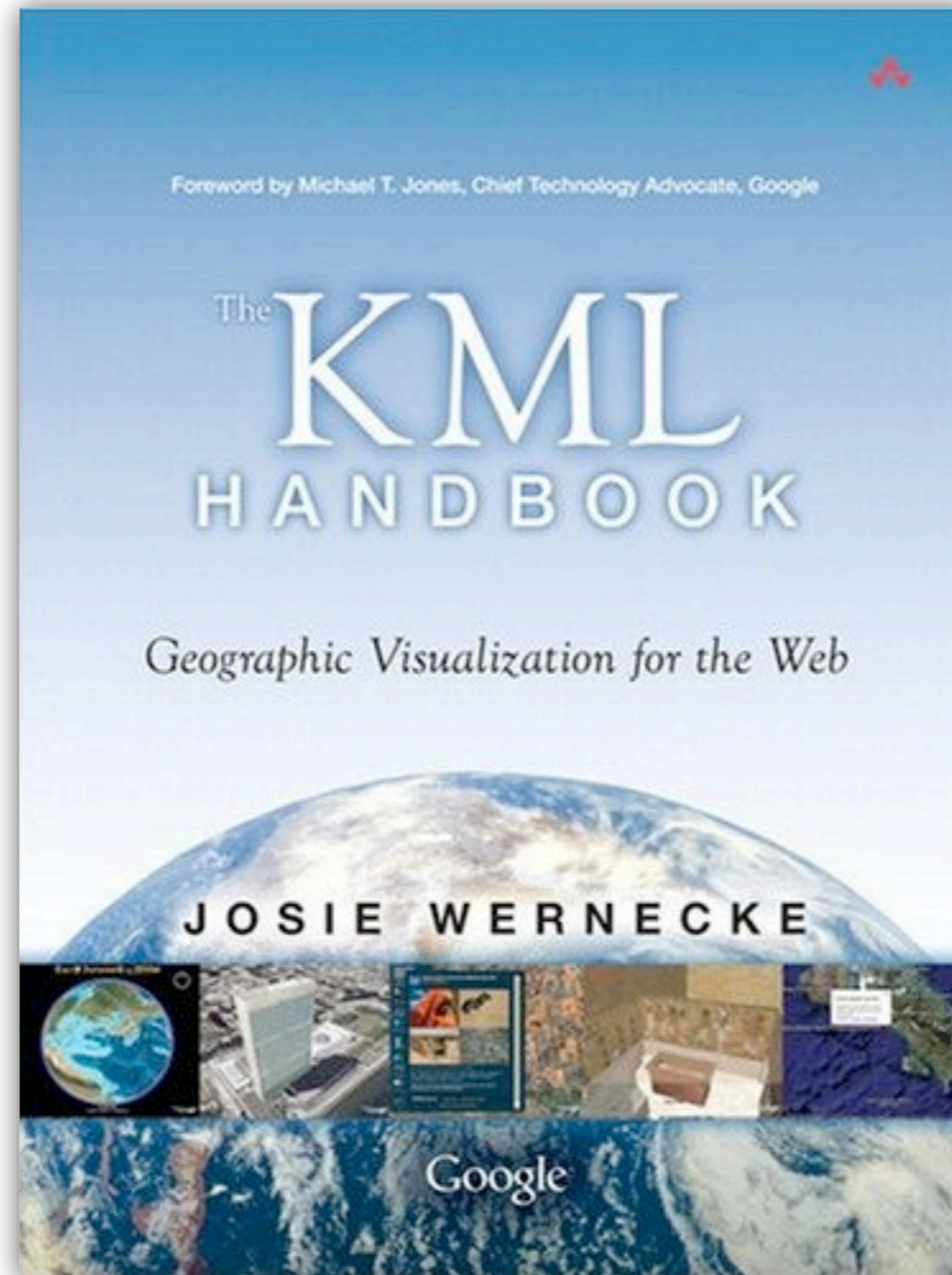
5. Present

Scripting, KML





The literature



Projects

Individual but with possible bridges

Prepare you for academic work

What is a project?



What is a project?

Non-recurring event that needs to be solved

Clearly defined goal and purpose

Clearly defined start and stop

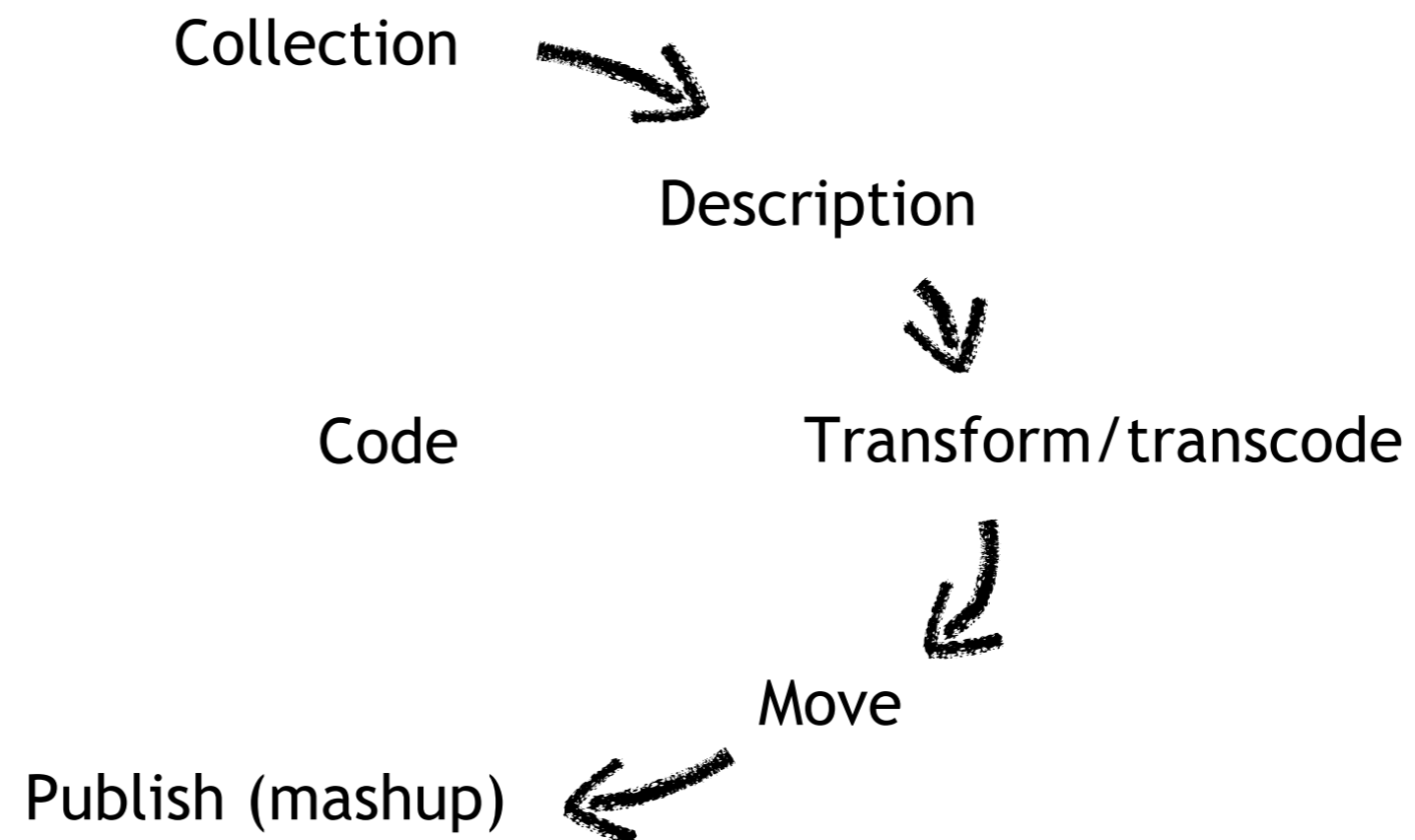
Clearly defined resources

Clearly defined level of quality

Project ideas

Need to be academically defined

Problem>Research question>Methods/means



Participate in making the it easier to collect, describe, transform/transcode, move and present these?



20091011_gjovik_station_dslr.jpg



gjovik.kml

```
gjovik.kml
1 <?xml version="1.0" encoding="UTF-8"?>
2 <kml xmlns="http://www.opengis.net/kml/2.2"
3   xmlns:gx="http://www.google.com/kml/ext/2.2">
4
5   <Placemark id="1">
6     <name>
7       Gjovik Railway Station
8     </name>
9     <description>
10      <![CDATA[
11        <table border="0" padding="5">
12          <tr>
13            <td width="600px" valign="top" float="top">
14              <p>November 24, 1902</p>
15              <a href="http://www.nb.no/cgi-bin/galnor/gn_sok.sh?id=59255&skjema=2&fm=4">
16                
17              </a>
18              <small>
19                Photography by
20                <a href="http://no.wikipedia.org/wiki/Anders_Beer_Wilse">Anders Beer Wilse</a><br/>
21                Copyright:
22                <a href="http://norskfolkemuseum.no/no/Samlingene/Fotosamlingen/Anders-Beer-Wilse/">Norsk Folkemuseum</a><br/>
23                Made available online:
24                <a href="http://www.nb.no/gallerinor/fotografer/ab_wilse.php">Nasjonalbiblioteket/Gallerinor</a>.
25              </small>
26            </td>
27
28            <td width="400px" valign="top" float="top">
29              <p>Oktober 12, 2009</p>
30              <a href="http://www.ansatt.hig.no/kjeller/misc/20091011_gjovik_station_dslr.jpg">
31                
32              </a>
33              <small>
34                Photography by
35                <a href="http://www.ansatt.hig.no/kjeller/index.html">Kjell Are Refsvik</a><br/>
36                Copyright:
37                <a href="http://www.hig.no">Gjovik University College</a>.<br/>
38                Made available online:
39                <a href="http://www.hig.no">Gjovik University College</a>.<br/>
40              <p>
41                <a href="http://www.ansatt.hig.no/kjeller/misc/20091011_gjovik_station_mobile.jpg">Similar snapshot</a>
42                from a iPhone3GS and the complete list of <a href="http://www.ansatt.hig.no/kjeller/misc/exif.txt">embedded
43                EXIF information in both files</a>.</p>
44              </small>
45            </td>
46          </tr>
47        </table>
48        <p>
49          <a href="http://en.wikipedia.org/wiki/Gj%C3%B8vik_Station">Wikipedia</a>
50        </p>
51      </td>
52    </description>
53    <link>
54      <href>
55        <![CDATA[http://www.nb.no/cgi-bin/galnor/gn_sok.sh?id=59255&skjema=2&fm=4]]>
56      </href>
57    </link>
58    <Point>
59      <coordinates>
60        10.694204,60.797182,0
61      </coordinates>
62    </Point>
63  </Placemark>
64
65 </kml>
```

Line: 43 Column: 21 Plain Text

Tab Size: 4

http://www.ansatt.hig.no/kjellr/misc/gjovik.kml - Google Maps

http://maps.google.com/maps?q=http://www.ansatt.hig.no/kjellr/misc/gjovik.kml

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Gjøvik Railway Station

November 24, 1902



Photography by [Anders Beer Wiise](#)
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 Made available online: [Nasjonalbiblioteket/Gallerior](#)

Oktober 12, 2009



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[Send](#)

1000 ft
500 m

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Transferring data from mt0.google.com...

zotero

4x



+ GPS, tripods, cases, cards, batteries

To read and watch

<http://en.wikipedia.org/wiki/Project>

http://en.wikipedia.org/wiki/Project_planning

http://en.wikipedia.org/wiki/Gantt_chart

http://en.wikipedia.org/wiki/Scientific_method

<http://en.wikipedia.org/wiki/Research>

To do

Start to work on formulating a project in the context of this course (UNIX, open source software, Mashup with KML).

Project suggestions can be found at:
<http://www.ansatt.hig.no/kjellr/4951/index.html>

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<http://www.ansatt.hig.no/kjellr/>