

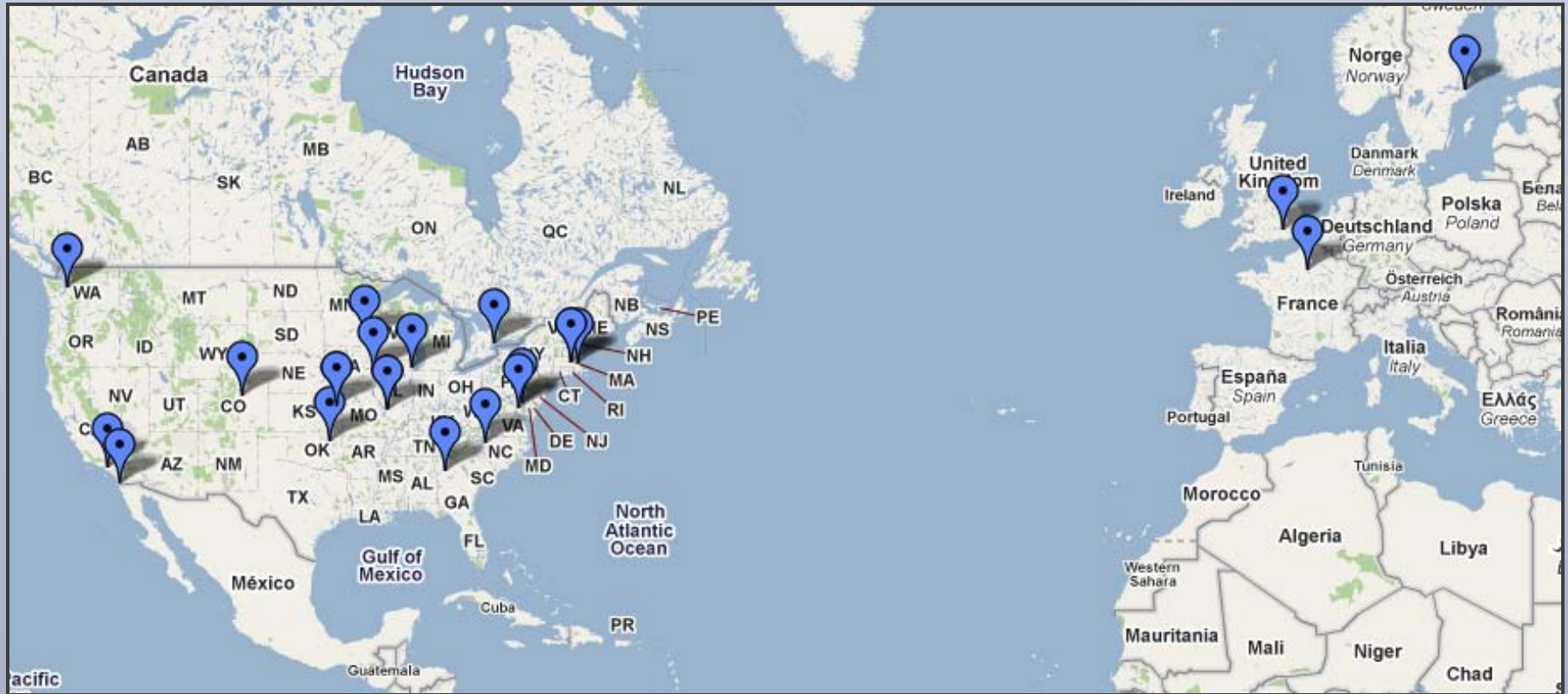
# Welcome to XNAT 2010

Enough XNAT to choke a horse

# Who's here from the NRG

<b>Dan Marcus</b>	Director
<b>Tim Olsen</b>	Lead XNAT architect
<b>Mohana Ramaratnam</b>	XNAT code, pipelines
<b>Kevin Archie</b>	DICOM
<b>Misha Milchenko</b>	XNAT Desktop & Gateway
<b>John Paulett</b>	XNAT code, tuning
<b>Sachin Dixit</b>	Pipelines, command line tools
<b>Jenny Gurney</b>	CNDA, custom data types
<b>Lauren Wallace</b>	CNDA, custom data types
<b>Will Horton</b>	User experience
<b>Aditya Siram</b>	XNAT Gateway, DICOM services
<b>Matt House</b>	Lab infrastructure
<b>Cathy Gezella</b>	Workshop organizer

# Who's here for the workshop



(No overlap with World Cup quarter-finalists)

# Organization: Formal sessions

## Day 1: Starting

1. Welcome
2. Installation/Deployment
3. Site Administration
4. XNAT Power Users
5. DICOM Services

## Day 2: Maximizing

6. XNAT: Inside the Box
7. Customizations
8. Tuning/Optimization/  
Monitoring
9. Pipelines
10. Case Study: Harvard  
Pipelines

## Day 3: Developing

11. XNAT Client Ecosystem
12. The XNAT REST API
13. Case Study: Manual QC
14. Case Study: PyXNAT
15. XNAT Desktop
16. Custom Development/  
Open Source Contributions
17. XNAT 1.5 and beyond



**XNAT Documentation**



**XNAT OUTREACH & COMMUNITY**

- [Our People](#)
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**2010 XNAT Workshop**

- [Workshop Info](#)
- [Full Agenda](#)
- Workshop Topics:
  - [Installation & Deployment](#)

Day 1		
8:00- 9:00	Breakfast	
9:00- 9:15	<a href="#">Welcome</a>	Dan Marcus
9:15- 9:45	<a href="#">Installation/Deployment</a>	Tim Olsen
9:45- 10:45	<a href="#">Site Administration</a>	Tim Olsen
11:00-12:00	<a href="#">XNAT Power Users</a>	Tim Olsen
12:00- 1:00	Lunch	
1:00- 2:45	<a href="#">DICOM Services</a>	Kevin Archie
3:00- 5:00	Breakouts (214A & 214B)	
5:30-???	Happy Hour ( <a href="#">Llywelyn's Pub</a> 4747 McPherson)	
Day 2		





[XNAT Documentation](#)



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## 2010 Workshop Day 1: Installation and Deployment

Date: 06/28/10  
Time: 9:15 AM  
Presenter(s): Tim Olsen  
Location: Connor Auditorium

### Synopsis:

Once you've made the decision to give XNAT a go, you'll need to go through the aerobic exercise of setting it up. During this session, we'll give you in-depth guidance on the process of installing, deploying and updating an XNAT installation. The list of supported prerequisite versions will be defined and documented. This presentation will walk through the actual content of your XNAT application. We'll identify what the different documents/structures mean and where they come from.

### Outline:

- Installation
  - Detailed explanation of what the setup process does.
    - Examine release file structure
      - XNAT owned content
      - Site owned content
    - Examine the generated content

xnat - XNAT 2010 Workshop - Installation and Deployment - Windows Internet Explorer

http://www.xnat.org/XNAT+2010+Workshop++Installation+and+Deployment


Home (Alt+M)


- Deployment
  - Site Administration
  - XNAT Power Users
  - DICOM Services
  - Customizations
  - Tuning, Optimization, and Monitoring
  - Pipelines
  - Case Study: Harvard Pipelines
  - XNAT Client Ecosystem
  - The XNAT REST API
  - Case Study: Gateway and Desktop
  - Case Study: PyXNAT
  - Custom Development & Open Source Contributions
  - XNAT 1.5 and Beyond
- Examine the generated content
  - Java files
  - Templates (Report, Edit, Search)
  - Display documents
  - Database tables
- Updates
  - What do updates from the XNAT team do?

### Relevant Documentation:

- (WIKI DOCS) 2: Installation
  - 1. Prerequisites
  - 2. Download
  - 3. XNAT Installation Guide
  - 5. XNAT Virtual Machine
  - 6. Updating your XNAT
  - 7. XNAT File System Explained

### Additional Material:

Presentation:  [INSTALL.pdf](#)

Summary:  [XNAT Install.pdf](#)

Slide 10 of 12 XNAT template 100%

# Organization: Breakouts

- Small groups
- Topics to be determined
- Breakout rooms (214A and 214B) are available all day.
- This room is available all day.
- 1<sup>st</sup> floor lounge and 2<sup>nd</sup> floor hearth area available for informal meeting and working space.



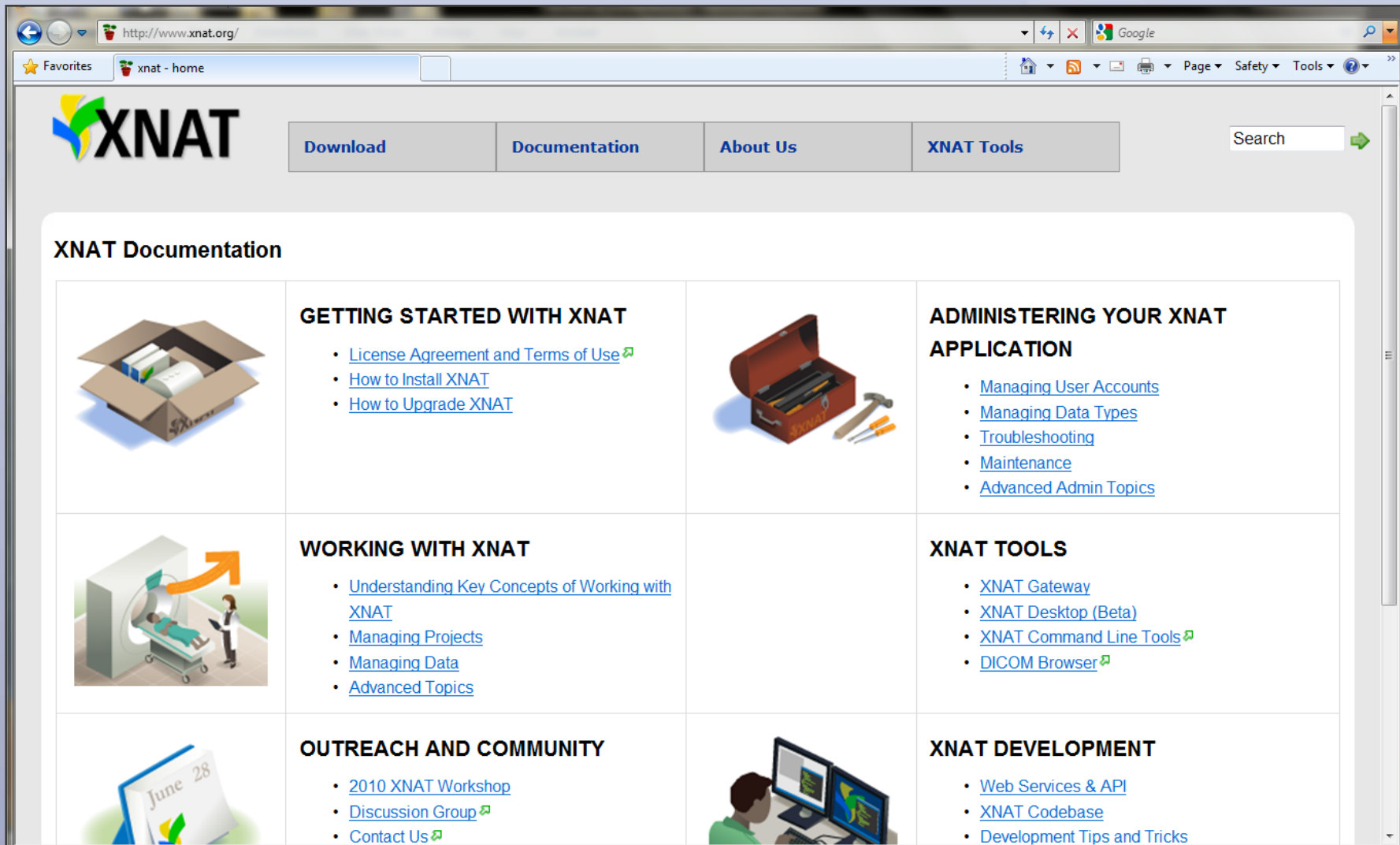
# Logistics

- Video
  - Live webcast:  
<http://mediaserver.wustl.edu/Live1>
  - Individual session videos will be posted later in the week.
- Internet
  - Wireless – use “WUSM Guest”
  - Wired – use cables available in back of room

# More logistics

- Breakout rooms (214A and 214B) are available all day.
- 2<sup>nd</sup> floor hearth area available for informal meeting and working space.

# New website!



The screenshot shows a web browser window with the URL <http://www.xnat.org/>. The browser's address bar shows "xnat - home" in the Favorites list. The website header features the XNAT logo on the left and a navigation menu with "Download", "Documentation", "About Us", and "XNAT Tools" in the center. A search bar is located on the right side of the header.

The main content area is titled "XNAT Documentation" and is organized into a 3x2 grid of sections, each with an icon and a list of links:

- GETTING STARTED WITH XNAT** (Icon: Open cardboard box)
  - [License Agreement and Terms of Use](#)
  - [How to Install XNAT](#)
  - [How to Upgrade XNAT](#)
- ADMINISTERING YOUR XNAT APPLICATION** (Icon: Toolbox with tools)
  - [Managing User Accounts](#)
  - [Managing Data Types](#)
  - [Troubleshooting](#)
  - [Maintenance](#)
  - [Advanced Admin Topics](#)
- WORKING WITH XNAT** (Icon: Hospital scene with a patient and a doctor)
  - [Understanding Key Concepts of Working with XNAT](#)
  - [Managing Projects](#)
  - [Managing Data](#)
  - [Advanced Topics](#)
- XNAT TOOLS** (Icon: None)
  - [XNAT Gateway](#)
  - [XNAT Desktop \(Beta\)](#)
  - [XNAT Command Line Tools](#)
  - [DICOM Browser](#)
- OUTREACH AND COMMUNITY** (Icon: Calendar showing June 28)
  - [2010 XNAT Workshop](#)
  - [Discussion Group](#)
  - [Contact Us](#)
- XNAT DEVELOPMENT** (Icon: Person at a computer)
  - [Web Services & API](#)
  - [XNAT Codebase](#)
  - [Development Tips and Tricks](#)

# Workshop virtual machine

- <http://xnat.wikispaces.com/XNAT+2010+Workshop+-+Virtual+Machine> (3.2 GB)
- Ubuntu 10.04 with Tomcat 6, PostgreSQL 8.4, and OpenJDK 1.6
- Runs in Virtual Box and probably VMWare
- Includes lots of goodies:
  - XNAT
  - DICOM Browser
  - XNAT Gateway
  - Sample data & pipelines
  - Customized data types

# Happy hour tonight at 5:30



**Llywelyn's Pub 4747 McPherson Ave.**  
(15 minute walk north on Euclid)