What is my job?

- Help to develop the Eclipse Eco System in Europe
- Help to introduce Eclipse to the Automotive industry

Need for Clarification:

- What do we mean when we say Eco System?
- What do we mean when we say Europe?
- What do we mean when we say Automotive Industry?
Eco System

- Eclipse Eco System consists of
  - Developers - develop and submit code
  - Members – provide funding and guidance; use what the developers have developed to build products
  - Foundation – provides services to developers and members (e.g., IT infrastructure)

(naïve view)
Eco System - 2\textsuperscript{nd} look

- Open Source projects are considered successful if they find consumers (like any other product)
- Open Source consumption requires mature organizations
- As consumer organizations mature, they will start to become contributors
- So, what does the Eco System need in addition:
  - Consumers
    - they use
    - they will contribute (and keep the OSP going)
  - Teachers / Coaches / Consultants
    - they help the consumers (learn, mature, build, extend, contribute)
  - Services Companies
  - Influencers (press, academia, ...)
  - Etc.
Europe – different definitions

- **Regions:** Northern, West, Central, South, East
- **Food:**
  - French
  - Mediterranean
  - Other
- **Weather**
  - Rainy (England)
  - Cold (East)
  - Nice (South)
- **Political**
  - New
  - Old
- So I decided to investigate starting in South-West Germany and grow the circle with every revolution
Automotive

- **Who is the Automotive Industry in Europe?**
  - OEMs (BMW, DC, PSA, Renault, etc.)
  - Tier1: Bosch, Delphi, SVDO, Valeo, Harman-Becker etc.
  - Tools and RTOS: Mathworks, ETAS, Telelogic, Vector, 3Soft, Rational, iLogix, etc. etc. etc.

- **Naïve Approach:**
  - **Who in Automotive industry needs 'development tools'**
    - Electronics Engineering
    - IT groups

- **Getting better:**
  - Eclipse is used widely as tools environment by many OEMs and Tier 1 suppliers
  - Standardization efforts can be accelerated by Eclipse platform ( Autosar)
  - RCP type applications are spreading throughout the industry
  - Application domains are developing quickly – powered by open source (catalogs management, document management, content management, product data management etc.)
Central Europe - Larger than expected Eclipse community

- Still investigating!
- Larger than expected Eclipse community
  - Major Companies are using Eclipse components (just to name a few: DaimlerChrysler, Siemens, Deutsche Bank, Lufthansa, Bosch)
    - Started with Java IDE, now also CDT, inhouse extensions etc for engineering
    - Also: RCP base applications for IT
  - Supporting system develops
    - Education / Training companies have emerged and are growing
    - Project companies are focusing on Eclipse based projects
  - Large user community in embedded engineering world
    - Example: 4 out of 5 Autosar tools prototypes are based on the Eclipse platform
    - Example: EADS / Airbus CASE project uses the Eclipse platform
  - Membership growing fast
  - Growing recognition in research and education
  - Last but not least: Germany was the first country to have an Eclipse Magazin!
France

- Initial contacts in 2 'high tech cluster' areas

- Paris:
  - No specific focus ...
  - Omondo: UML tools
  - TNI: Software and Systems Engineering
  - Nuxeo: Content Management Systems -> Apogee Project
  - And many more ...

- Toulouse
  - Focus on aerospace / public transportation
  - Airbus: CASE tool project for embedded engineering
  - Anyware Technologies: Development services, M2M applications

- Overall:
  - Just at the beginning
Switzerland, Italy, Sweden ...

- Switzerland: Home of the JDT team
- ...

- We have to stop here ... more at the next members meeting
Summary

- Eclipse is very successful in Europe
- Perception is changing – Eclipse is not seen as a Java Development Environment only anymore
- Consumer community is large, infrastructure is developing
- Strong growing adoption in the engineering world
- But:
  - Relatively small number of strategic members (Ioana, SAP, Nokia)
  - Growing number of contributions, but still below expectation
  - Shortage in experienced Eclipse workers (monster.de shows 180 openings for 'Eclipse')
- Next:
  - Central European Eclipse Event (October 2006)
  - EclipseForum (Wiesbaden, May 2006)
  - Continuous investigation of and work with the 'Eclipse Eco System' Europe