



# OWASP Geneva – Spring 09 meeting

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***Chapter Leader - Geneva***

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**The OWASP Foundation**  
<http://www.owasp.org>

# Who am I?



- 8 years developer experience
- 5 years infosec/appsec experience (CSSI 2004 ;)
- Lead Application Security Program,
  - New Access SA, Geneva – Switzerland
- OWASP Geneva chapter founder
- CWE Top 25 Programming Errors contributor
- Monblog.ch founder and architect
  - Free swiss community blogging platform
  - > 13mio. pageviews/monthly



# Agenda

- OWASP Foundation
- OWASP Projects
- Tonight's meeting



# The OWASP foundation



- Open Web Application Security Project
- International, non-profit organization
- Funding:
  - ▶ Volunteers time
  - ▶ OWASP memberships and sponsors
  - ▶ OWASP conference fees
- Participation and projects are free and open to everyone.



# OWASP Mission

“Enabling organizations to develop, purchase, and maintain applications that can be trusted.”



# OWASP Community

## Documentation projects (wiki & books)

- Top 10, Code review, Testing, Building, Legal, ...

## Code projects

- Defensive, offensive (testing) tools, Education, processes, ...

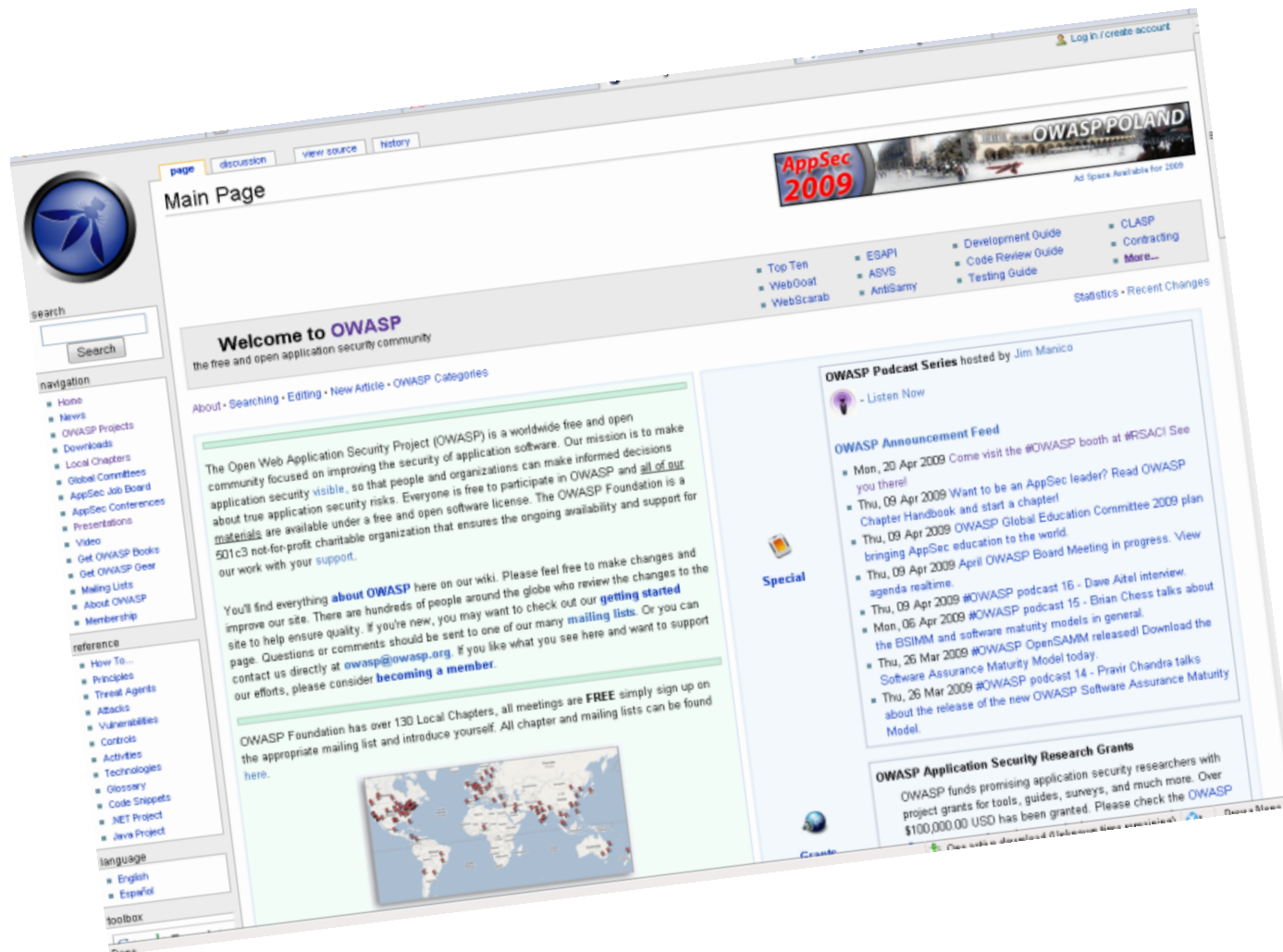
## Chapters

- Over 130 chapters worldwide and growing

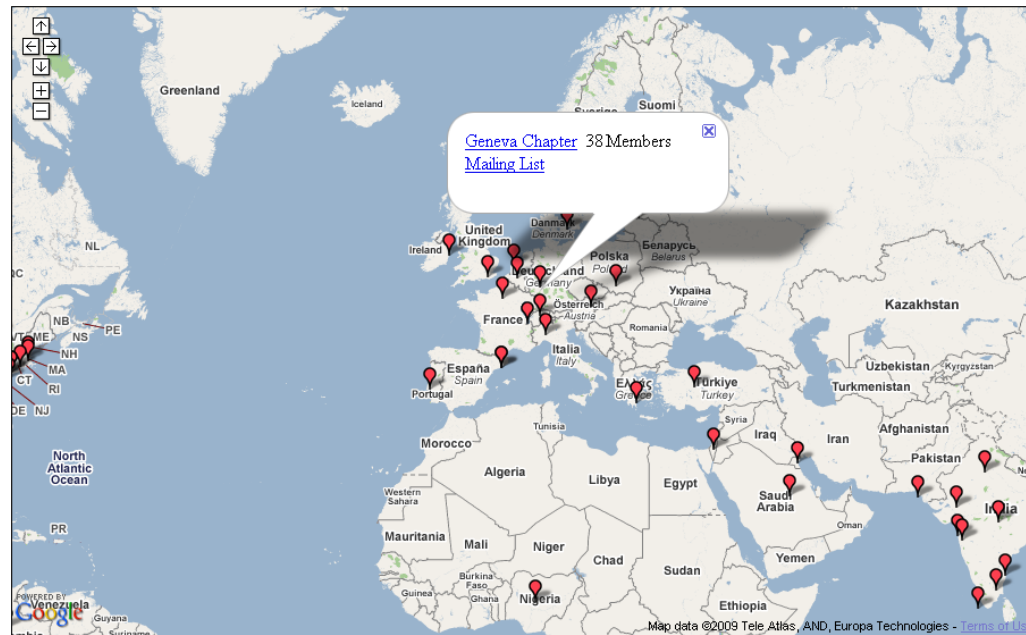
## Conferences

- Major and minor events around the world





# 130+ Chapters worldwide

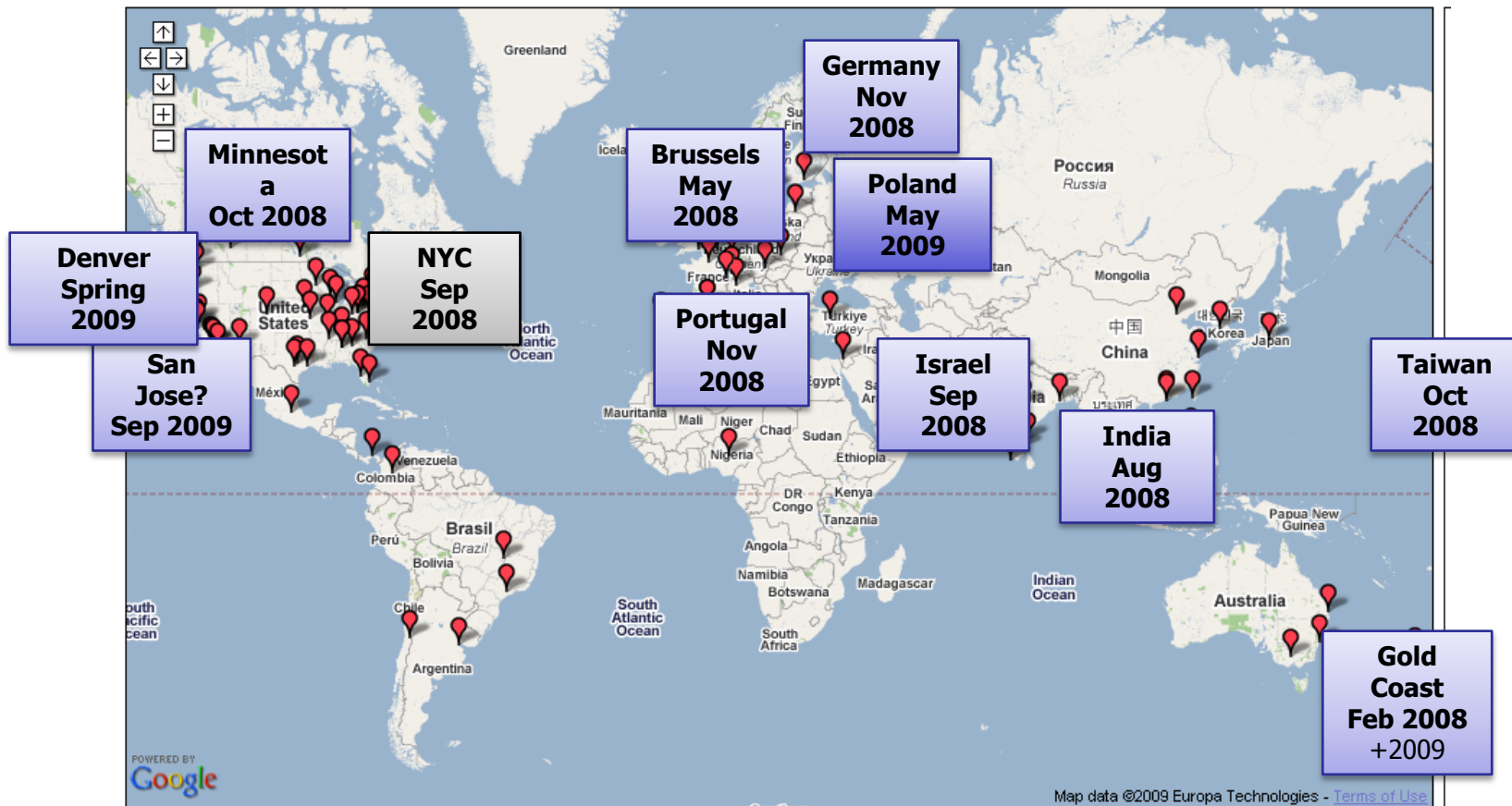


11412 chapter members worldwide  
5340 project members worldwide





# OWASP Conferences



# OWASP Conferences



## ■ Next:

- ▶ 11<sup>th</sup>-14<sup>th</sup> May 09: **Krakow, Poland (Appsec Europe)**
- ▶ June 09: Dublin (Appsec)
- ▶ Oct. 09: Washington D.C. (Appsec USA)



# OWASP EU Summit



## ■ 2009 Focus

- ▶ 80+ application security experts from 20+ countries during one week

## ■ A fantastic and high standing SPA right at the beach!

## ■ New projects:

- ▶ outreach program: technology vendors, framework providers, and standards bodies
- ▶ educational program: new program to provide free one- day seminars at universities and developer conferences worldwide
- ▶ new global committee structure: education, chapters, conferences, industry, projects and tools, membership

## ■ Actually, we didn't have time to go the beach...once in the week!

## ■ *And...a new local chapter was created.*



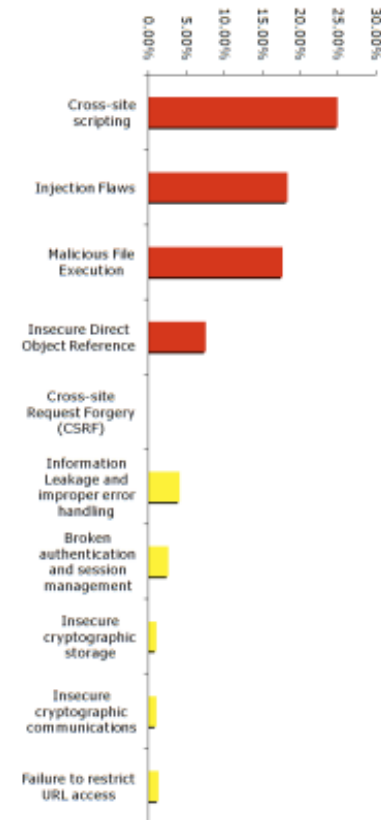
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# OWASP Top 10

- The Ten Most Critical Web Application Security Vulnerabilities
- Current: 2007 Release
- 2009 release in progress
- A reference, but not a standard (yet?)



# Big 4 (not to be confused with...)

Building  
Guide

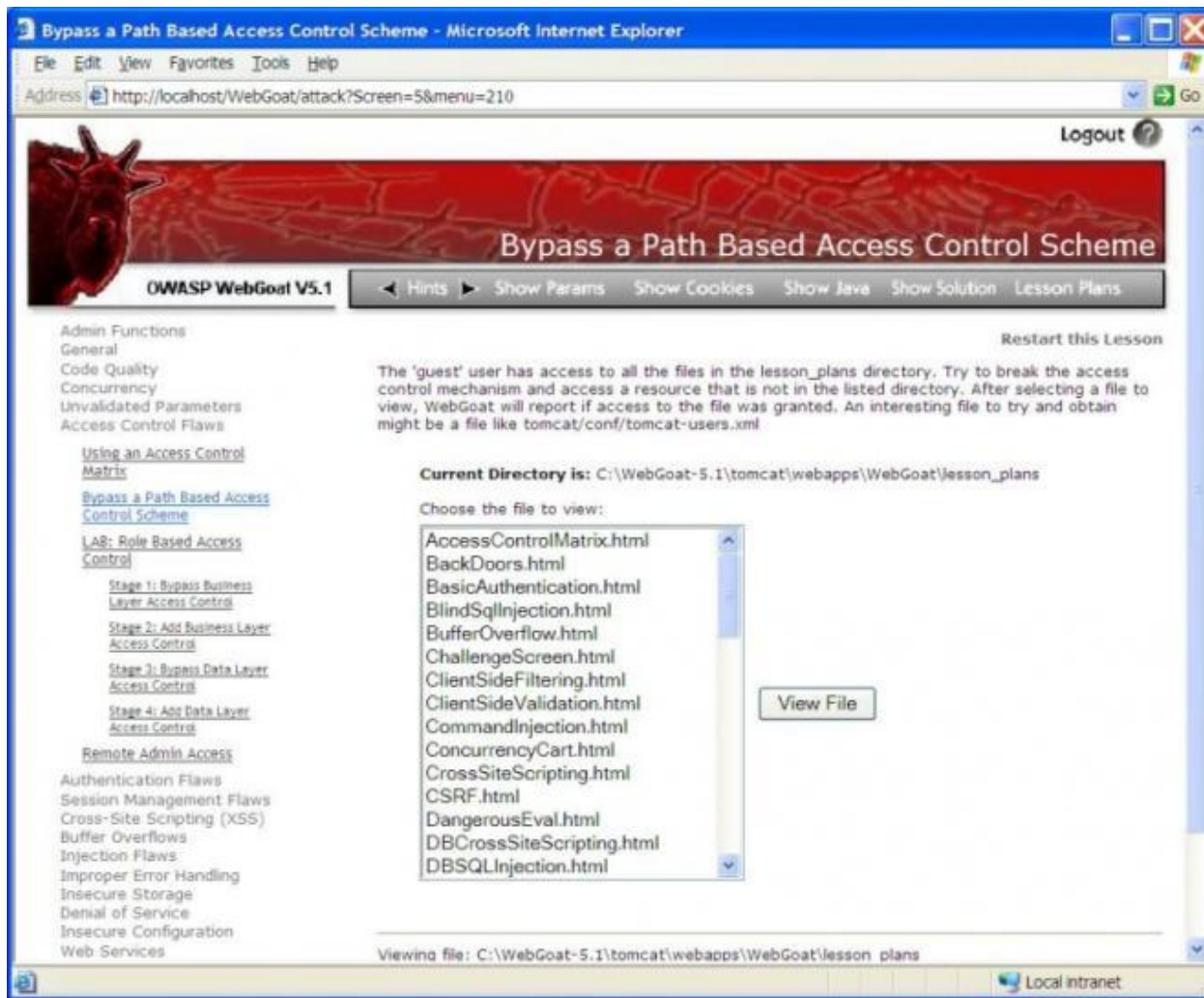
Code  
Review  
Guide

Testing  
Guide

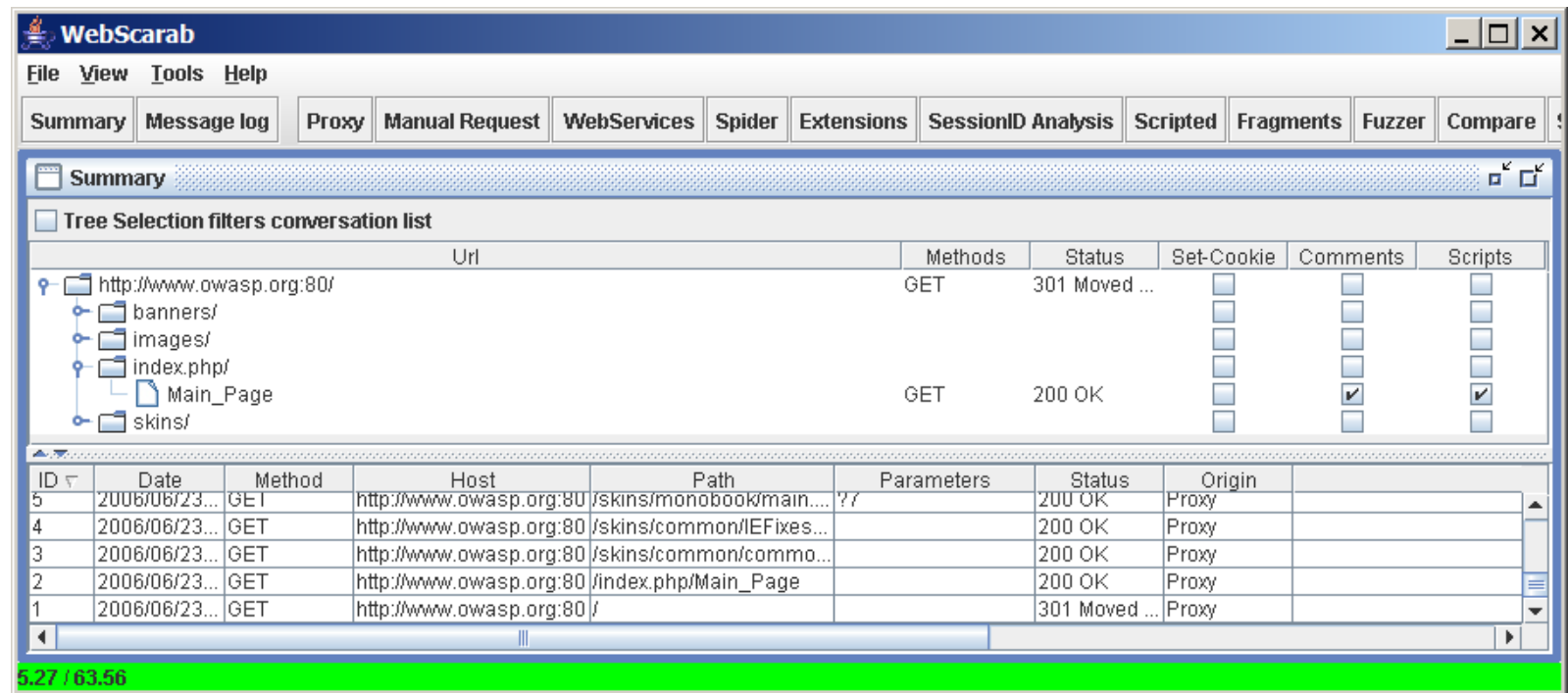
Application Security Desk Reference (ASDR)



# Education: Webgoat



# Testing: WebScarab



The screenshot shows the WebScarab application window. The title bar is "WebScarab". The menu bar includes "File", "View", "Tools", and "Help". The toolbar contains buttons for "Summary", "Message log", "Proxy", "Manual Request", "WebServices", "Spider", "Extensions", "SessionID Analysis", "Scripted", "Fragments", "Fuzzer", and "Compare". The "Summary" tab is selected, showing a tree view of the conversation list. The tree view shows a folder for "http://www.owasp.org:80/" with sub-folders for "banners/", "images/", "index.php/", "Main\_Page", and "skins/". The "Main\_Page" folder is expanded, showing a list of requests. The bottom status bar displays "5.27 / 63.56".

Id	Date	Method	Host	Path	Parameters	Status	Origin
5	2006/06/23...	GET	http://www.owasp.org:80	/skins/monobook/main....	??	200 OK	Proxy
4	2006/06/23...	GET	http://www.owasp.org:80	/skins/common/IEFixes...		200 OK	Proxy
3	2006/06/23...	GET	http://www.owasp.org:80	/skins/common/commo...		200 OK	Proxy
2	2006/06/23...	GET	http://www.owasp.org:80	/index.php/Main_Page		200 OK	Proxy
1	2006/06/23...	GET	http://www.owasp.org:80	/		301 Moved ...	Proxy





# Reference libraries: OWASP ESAPI

**Custom Enterprise Web Application**

**Enterprise Security API**

**Authenticator**

**User**

**AccessController**

**AccessReferenceMap**

**Validator**

**Encoder**

**HTTPUtilities**

**Encryptor**

**EncryptedProperties**

**Randomizer**

**Exception Handling**

**Logger**

**IntrusionDetector**

**SecurityConfiguration**

**Existing Enterprise Security Services/Libraries**



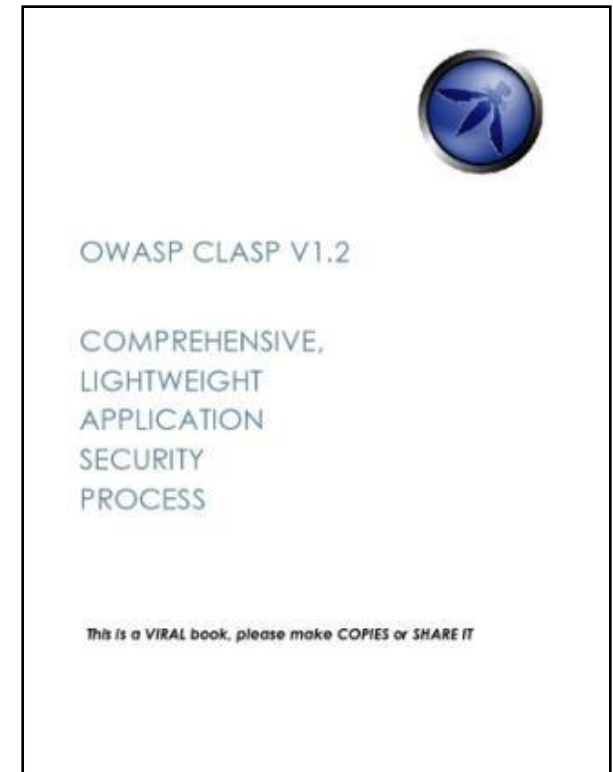
# Methods and processes: CLASP

## ■ Comprehensive, Lightweight Application Security Process

- ▶ Centered around 7 AppSec Best Practices
- ▶ Prescriptive and Proactive
- ▶ Covers the entire software lifecycle (not just for developers)

## ■ Adaptable to any development process

- CLASP defines roles across the SDLC
- 24 role-based process components
- **You can start small**



# Quality and coaching: Seasons of Code



# Deliverables

- OWASP .NET Project
- OWASP ASDR Project
- OWASP AntiSamy Project
- OWASP AppSec FAQ Project
- OWASP Application Security Assessment Standards Project
- OWASP Application Security Metrics Project
- OWASP Application Security Requirements Project
- OWASP CAL9000 Project
- OWASP CLASP Project
- OWASP CSRFGuard Project
- OWASP CSRFTester Project
- OWASP Career Development Project
- OWASP Certification Criteria Project
- OWASP Certification Project
- OWASP Code Review Project
- OWASP Communications Project
- OWASP DirBuster Project
- OWASP Education Project
- OWASP Encoding Project
- OWASP Enterprise Security API
- OWASP Flash Security Project
- OWASP Guide Project
- OWASP Honeycomb Project
- OWASP Insecure Web App Project
- OWASP Interceptor Project
- OWASP JBroFuzz
- OWASP Java Project
- OWASP LAPSE Project
- OWASP Legal Project
- OWASP Live CD Project
- OWASP Logging Project
- OWASP Orizon Project
- OWASP PHP Project
- OWASP Pantera Web Assessment Studio Project
- OWASP SASAP Project
- OWASP SQLiX Project
- OWASP SWAAT Project
- OWASP Sprajax Project
- OWASP Testing Project
- OWASP Tools Project
- OWASP Top Ten Project
- OWASP Validation Project
- OWASP WASS Project
- OWASP WSFuzzer Project
- OWASP Web Services Security Project
- OWASP WebGoat Project
- OWASP WebScarab Project
- OWASP XML Security Gateway Evaluation Criteria Project
- OWASP on the Move Project



# Agenda

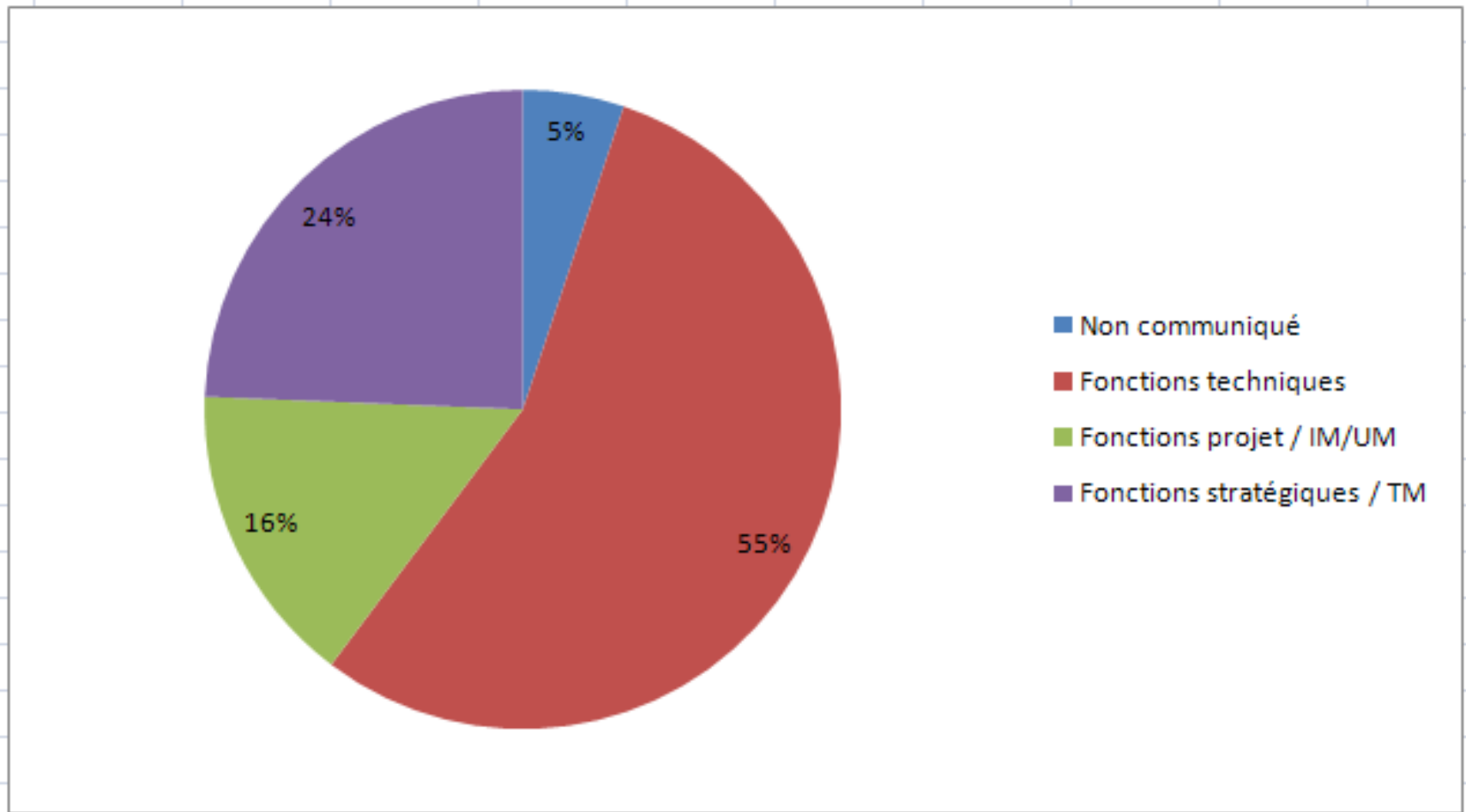
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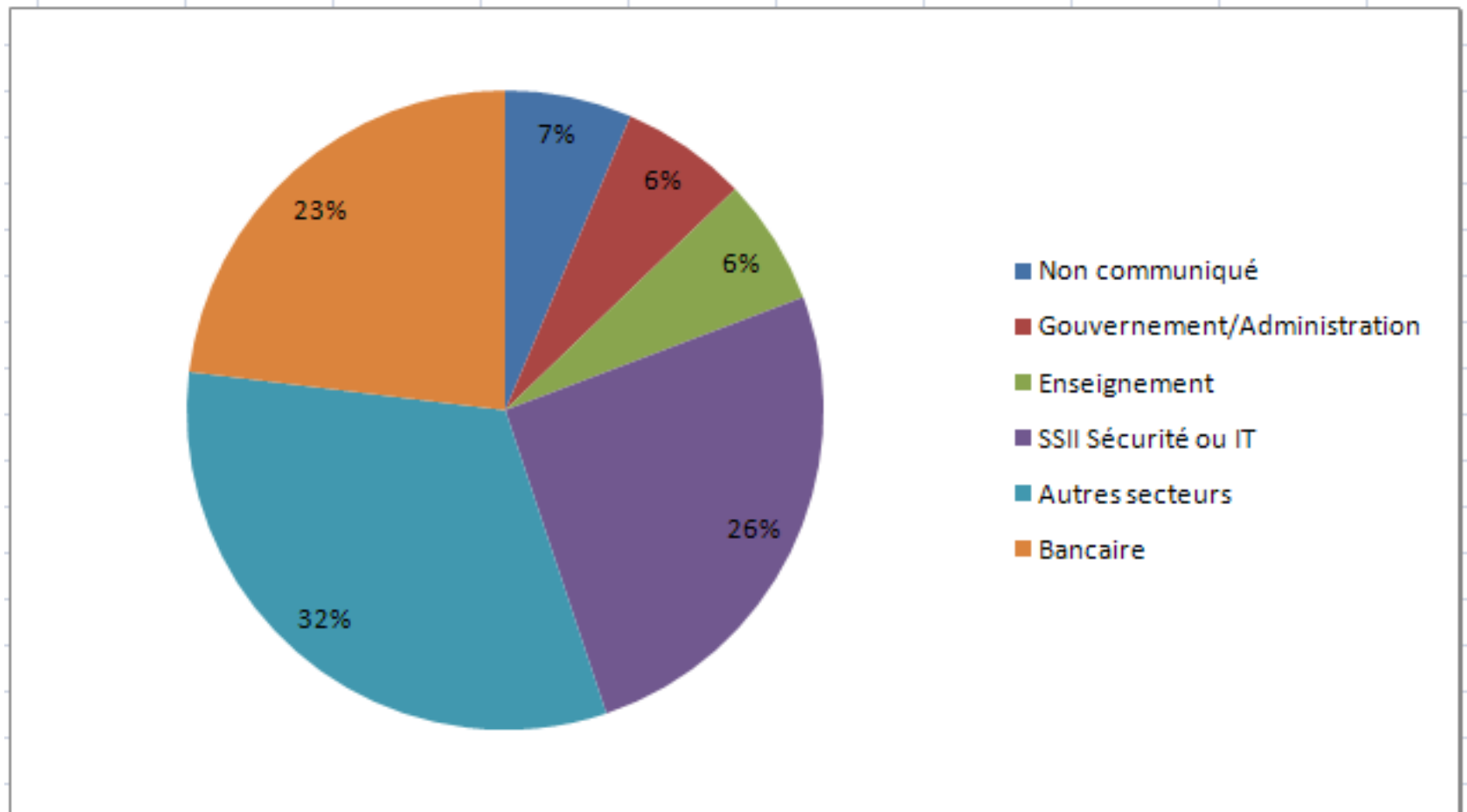
# **Who is sitting (or standing) in this room?**



# Audience (1/3)

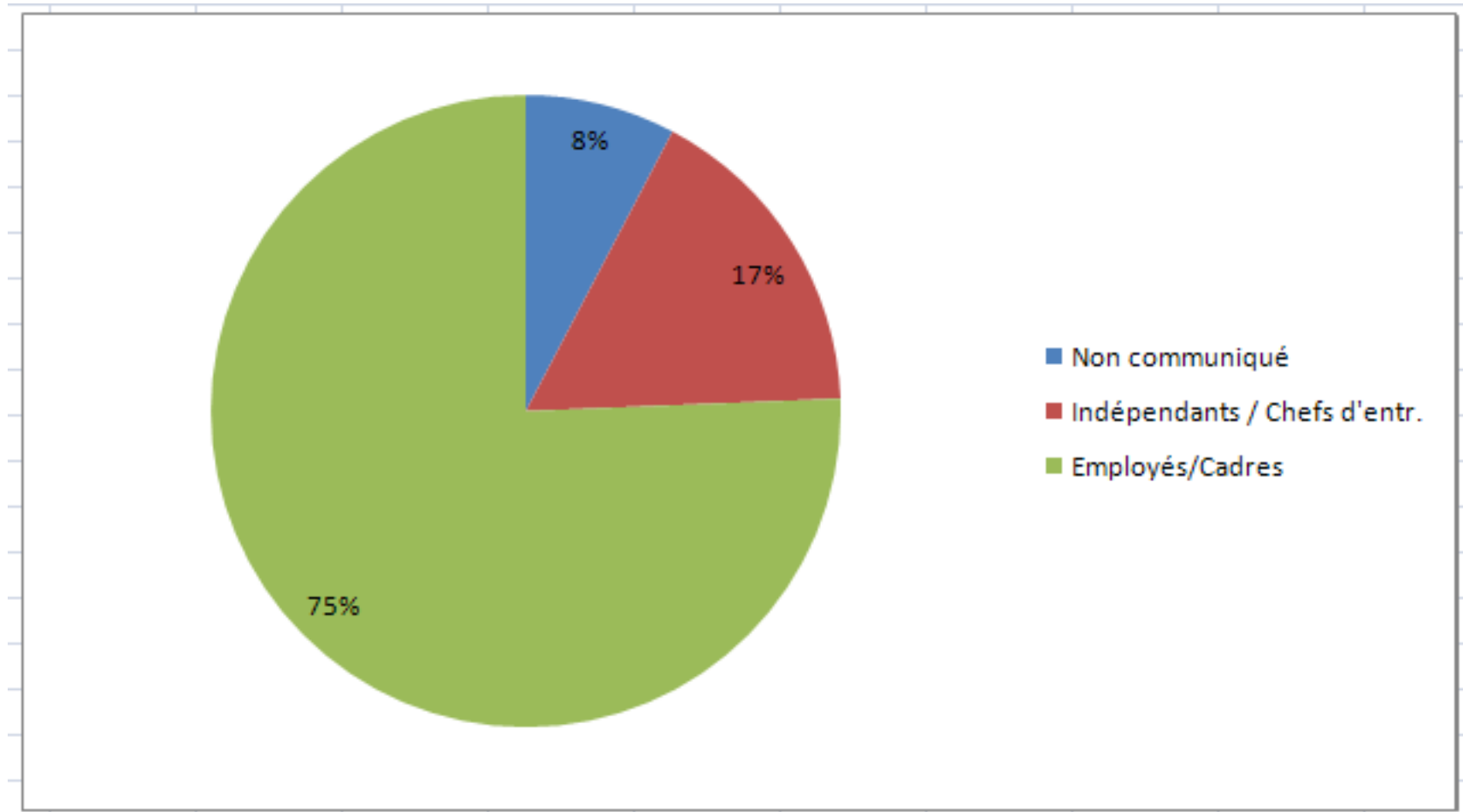


# Audience (2/3)





# Audience 3/3



# Agenda

- 18h00: Accueil
- 18h15: OWASP Top 10  
*Sebastien Gioria*, Chapter Leader - OWASP France
- 19h05: Pause (5 minutes)
- 19h10: La sécurité dans le cycle de vie développement d'une application web: de la théorie à la pratique  
*Gilbert K. Agopome (CISSP, CSSI 2004, CISA)*
- 20h00: Cocktail offert par HEC Genève
- 21h00: Fin de la manifestation



# Geneva's Chapter and you

■ Next meeting: June 2009 (well, will try...)

■ Join the list!

- ▶ Post your (Web)AppSec questions
- ▶ Keep up to date
- ▶ Contribute to discussions

■ Become an OWASP member!

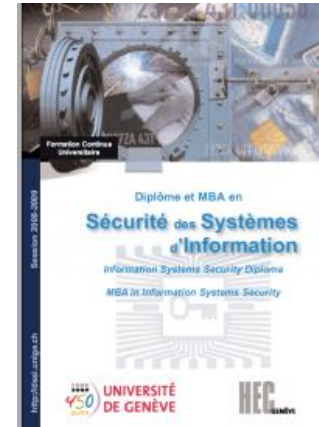
- ▶ *Or even a sponsor (told you!)*



# THANK YOU!

- <http://www.owasp.org>
- <http://www.owasp.org/index.php/Geneva>  
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## Tonight's sponsors:



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