



**VOMS status, plans, integration with  
EMI components: VOMS as the  
common EMI Attribute Authority  
Service solution**

Vincenzo Ciaschini (INFN)

VOMS PT Leader

# Example of Outline

- VOMS for EMI 1
- Forthcoming VOMS
- Conclusions



# VOMS for EMI 1

- The release of VOMS for EMI 1 will contain many major changes and new features.
- Binary compatibility with the gLite version will be broken!
- Protocols will still be compatible

# VOMS for EMI 1

- Support for obtaining ACs via REST requests.
  - Example:
    - `curl --capath /etc/grid-security/certificates/ --cert .globus/usercert.pem --key .globus/userkey.pem https://voms-rd02-21.cnaf.infn.it:15099/generate-ac?fqans=/sa3test`
    - Will result in:
      - `<?xml version="1.0" encoding="UTF-8"?><voms><ac>MIIGczCCBdwCAQEwc6BxMGukaTBnMQswCQYDVQ  
QGEwJJVDENMA5GA1UEChMESU5G`
  - ...omission...
  - `</ac></voms>`

# VOMS for EMI 1

- Integration with ORGDB
  - Functionality formerly in VOMRS is now available through VOMS-admin
    - Synchronization between ORGDB experiment membership and VO membership
    - Improved registration and user management interface
  - Final development step of the VOMS/VOMRS convergence plan.

# VOMS for EMI 1

- Clients and server speak plain old SSL rather than GSI
  - But the server is still compatible with clients  $\geq 1.6!$
- No more dependencies on Globus
  - Easier to install and use. No more downloading MBs of unused globus libraries with their OpenSSL trickery

# VOMS for EMI 1

- Crash Reports
  - Should any of the cli tools or the server crash, /tmp/sigsegv\_report is created.
    - Contains the stack trace + instruction pointer.
    - Message printed to stderr pointing to the file.
  - Only on Linux

# VOMS for EMI 1

- SAML Profile Implementation
  - VOMS-SAML will fully implement the profile decided in the SAML working group

See Andrea's presentation



# Forthcoming VOMS

- This is the list of changes that VOMS will go through in the EMI process.
  - For most of them, dates are not set. Relative importance and implementation order will depend on requests of EMI

# Forthcoming VOMS

- Third party requests
  - Properly authorized users and services will be able to access the attributes of registered VO members
    - Currently in design
  - Slated for EMI 2
  - Prototype will be available for project members evaluation from PM 18 to PM 20
    - Final version may change in incompatible ways depending on feedback!

# Forthcoming VOMS

- VASH Integration
  - VOMS Attributes from Shibboleth (VASH) will be fully integrated in VOMS, allowing attributes from Shibboleth AAs to be available to Grid software.

# Forthcoming VOMS

- Integration with Shibboleth
  - VOMS will become a Shibboleth AA, equating Shibboleth identities to X.509 identities and issuing SAML Attribute Assertions .

# Conclusions remarks

- Is anything missing that should be there?
- It there anything that is judged useless?
- Comments?



# Thank you

**EMI is partially funded by the European Commission under Grant Agreement INFSO-RI-261611**

Use Insert  
Header &  
Footer to set  
this field

Use Insert Header & Footer to set this field