Collaboration in NEXOF-RA

- **Joint dissemination activities**
  - Events
    - SOA4ALL
      - ICT 2008, Lyon, November 2008
        - Networking session about "Research challenges and contributions for NEXOF "
          - Focused on informing the participants about how they can take part in the development of NEXOF.
          - Over 30 people attending
      - SemanticWeek '09, Amsterdam, 22-26 June 2009
    - ALL organized by NESSI 2010
      - The 1st Communication & Dissemination collaboration meeting, Brussels, September'08.
        - Attended by dissemination partners from Morfeo Ezweb, Master, NEXOF-RA, SLA@SOI and SOA4All
        - Main objectives:
          - Presentation of the NESSI communication activity and services available to the NSPs
          - Presentation by each NSP of its project on communication.
          - Definition of the coordination level between NESSI and NSPs
      - The 2nd Communication & Dissemination collaboration meeting (teleconference), February'09.
        - The meeting has focused on:
          - Increasing the information channel towards all NSP partners, ensuring that all partners have a clear understanding of NESSI and NEXOF.
          - Increasing the information channel between all NSPs, ensuring that the evolution of their contributions to NEXOF is fully visible and can, therefore, also is made visible at NESSI level and beyond.
          - The creation of a use case section
      - NESSI Projects Summit, Valencia, April'09
        - Focused specifically on the role of NEXOF as a research hub to align research results, to position them in an overall picture of services infrastructure and to coordinate their evolutions
    - EzWEB
      - Services Front End (SFE) Collaboration Working Group Workshop, UPM, Madrid, 24 June 2008
      - Service Front-End Collaboration Working Group Session, Internet of Services Collaboration meeting for FP6 & FP7 projects, Brussels, September 2008
      - Open Alliance on Service Front-Ends workshop, Service Wave 2008, Madrid, 10th -12th December 2008
      - Workshop of the Open Calls, 23 - 24 March 2009, Brussels Belgium (2nd Invitation to Contribute).
    - SOA4ALL+RESERVOIR+SLA@SOI+S-Cube
      - Concertation Meeting hosted by the European Commission, DG Information Society, SSA&I Unit, Brussels, March '08
        - Aimed at preparing the Work Programme 2009-10 and to launch the FP7 projects. As a result of the concertation meeting, the SSA&E working group was set up
      - SSAIE (The Service and Software Architectures, Infrastructures and Engineering Summer School), Heraklion, Jun'09
    - SOA4ALL+RESERVOIR
      - eChallenges'09, Istanbul, Oct 2009
        - Booth to exhibit research advances
    - S-Cube
      - FIA-ServiceWave December 2008
        - Joint Organization between NEXOF-RA and S-Cube of one Collaboration Working Group meeting
  - Publications
    - SOA4ALL
      - Position paper about *"Service Description Technology Lightweight Service Semantics and Annotations Common for WSDL and Restful Web Services"* . This contribution was intended to bring the concepts of WSMO-Lite and MicroWSMO to the NEXOF-RA Service Description Activity
  - Tools
    - NESSI 2010
      - Specific page dedicated to NEXOF-RA on the NESSI Web site
      - NEXOF-RA news in NESSI Newsletters
      - Creation of an on-line navigatable section at NEXOF-RA web site of the first results of the NSPs as patterns for the Enterprise SOA model
      - Creation of a mailing list at enabling all NSPs to easily share information between them and with the NESSI Communication team nessi-nsp-comm@nessi-europe.eu
- **Joint coordination tasks**
  - SLA@SOI
    - Coordinate the "Contribution to standards" Collaborative WG. Organisation of meetings and administrative tasks, including taking care of the collaboration instruments, editing documents, and reporting to the EC
  - S-Cube
    - Coordinate and contribute to the SSA&E (Software and Service Architectures and Infrastructures) Collaboration Working Group
    - Key relevant NEXOF-RA members are part of S-Cube IAB
- **Invitations to Contribute**
  - 1st Invitation to Contribute
    - Core Service Framework
      - Service Description
        - SWING, SOA4ALL, SLA@SOI, BREIN, SecSE, OPEN, ADICT
      - Design time composition
        - SOA4ALL, SLA@SOI, COMPAS
      - Service Discovery
        - SLA@SOI, COMPAS
      - Interoperability of Message-Based service interaction
    - User Interaction
      - Declarative UI Authoring Languages
        - MyMobileWeb, OPEN, SenFace, UsiXML, Human, SOSA, SharME
      - Context Model
        - MyMobileWeb, SharME, Human, UsiXML, SOSA
    - Infrastructure
      - Definition of Infrastructure Services
        - SLA@SOI, RESERVOIR, SOCRADES, SODA
    - Security
      - Dynamic Identity management for SOA
      - Privacy Management in SOA
    - Quality of Service
      - Scalable approaches to Service Oriented Infrastructures
        - SLA@SOI
      - High availability for Multi-Tier Architectures
  - 2nd Invitation to Contribute
    - Core Service Framework
      - Runtime Service Composition
        - SOA4ALL, COMPAS
    - User Interaction
      - Metadata for Service Front End Resources
      - APIs for Service Front End Resources
    - Infrastructure
      - Infrastructure usage and management interfaces
    - Security
      - Multi-level security for SOA
      - Dynamic security for SOA
        - MASTER
    - Quality of Service
      - SLAs and QoS
      - Federated and autonomic management in SOA
- **Architectural Board**
  - SOA4ALL
    - Participation in all AB meetings
  - MASTER
    - Participation in the most of AB meetings
  - SLA@SOI
    - Participation in all AB meetings
  - EzWeb
    - Participation in all AB meetings
  - RESERVOIR
    - Participation in all AB meetings
  - S-Cube
    - Participation in all AB meetings
- **Contributions to NEXOF-RA "assets"**
  - Reference Model and Glossary
    - SOA4ALL
      - Keep text and extend with "Provisioning of functionalities and information entities concerning service descriptions and discovery for the model. Mapping of the SOA4All project scope towards the functional decomposition in NEXOF-RA
    - COMPAS
      - Keep text and extend with "Mapping of COMPAS project scope towards the functional decomposition in NEXOF-RA
    - S-Cube
      - Cross-correlate the S-Cube Knowledge Model
    - MASTER
      - Provisioning of functionalities and information entities concerning the security concern for the model. Mapping of the MASTER project scope towards the functional decomposition in NEXOF-RA
    - SLA@SOI
      - Mapping of the SLA@SOI project scope towards the functional decomposition in NEXOF-RA.
    - EzWeb
      - Modifications to some definitions and introduction of new definitions to cover aspects that are relevant to the EZWeb project. Provisioning of functionalities and information entities concerning the presentation concern for the model. Mapping of the EZWeb project scope towards the functional decomposition in NEXOF-RA
    - RESERVOIR
      - Modifications to some definitions and introduction of new definitions to cover aspects that are relevant to the RESERVOIR project. Provisioning of functionalities and information entities concerning the resource concern for the model. Mapping of the RESERVOIR project scope towards the functional decomposition in NEXOF-RA
  - Roadmap
    - NESSI 2010
      - Sustainability plan for NESSI
  - PoCs
    - RESERVOIR and SLA@SOI
      - SLA Compliant Cloud Scalability ("Cloud Data Center") - Jun 2010
    - SOA4ALL
      - Service Discovery - Jun 2010
      - Semi-Automatic Service Composition at Design Time - Jun 2010
  - Patterns
    - SLA@SOI
      - SLA Negotiation functionality in the IaaS Pattern; Oct 09 / Mar 09
      - Contribution on Dynamic Binding Enabled Execution Engine; Mar 09 / Sept 09
    - SOA4ALL
      - Contributions on the **service discovery patterns** and **design time service composition patterns** ; Oct 09 / Mar 09
      - Assisted Composition Designer pattern
      - Semantic Annotation Composition pattern
      - Data mediation pattern
      - Semantic repository pattern
    - SLA@SOI and RESERVOIR
      - Vertical and horizontal interface in IaaS pattern
  - Requirements
    - **The scenario for User Requirements: SOA Harbor (scenario S20)** , about a simulation of a harbor in which packages are loaded or unloaded from/to ships and trucks. Submitted by Students of the University of Duisburg Essen
    - **The scenario Software as a Service (SaaS) CRM Multi Tier Enterprise Application in the Cloud (scenario S21)** , describing two architectural options for a Customer Relationship Management (CRM) solution that represent to ends of a continuum: on one hand a "classical fixed allocation of computed resources", on the other hand the "scalable allocation of IaaS resources from a federated group of providers". Submitted by IBM (Haifa)
- **Joint standardization initiatives**
  - SLA@SOI
    - Report on standardisation activities for **WS-Agreement, WS-Agreement Negotiation and Open Cloud Computing Interface** ; March 2010
  - SOA4ALL
    - Report on standardisation activities for **WSMO-Lite, SA-REST and SEE-ROSOA;** April 2010
  - MASTER
    - Report on standardisation activities for **OASIS SOA-RM** ; April 2010
  - RESERVOIR
    - Report on standardisation activities for **Open Cloud Computing Interface and Open Virtualization Format** ; April 2010
  - COMPAS
    - Report on standardisation activities for **BPEL** extensions for compliant services and Compliance Request Language **(CRL);** April 2010
  - MyMobileWeb
    - Report on standardisation activities for **Device Description Repository Simple API and Delivery Context Ontology** ; April 2010
  - SHAPE
    - Report on standardisation activities for Service-Oriented Architecture Modeling Language **(SoaML):** March 2010