

# Strategic Research Agenda SaaS

Adviesgroep IIP-SaaS  
10<sup>th</sup> of September 2008



# Agenda



- 12:30 – 13:00 Ontvangst
- 13:00 – 13:30 Presentatie IIP-SaaS
- 13:30 – 14:00 Discussie doelstellingen en aanpak
- 14:00 – 14:20 Presentatie stand SRA
- 14:20 – 14:30 Uitleg proces deze middag
- 14:30 – 16:00 Parallel sessies sectoren\*
- 16:00 – 16:30 Terugkoppeling parallelsessies
- 16:30 – 17:00 Discussie vervolgstappen
- 17:00 – 17:15 Wrap-up en daarna Borrel

\* Thee en koffie in de zalen

# IIP-SaaS

## Doelstellingen en aanpak

# IIP-SaaS (ICT Innovatie Platform Software as a Service)



- Gefaciliteerd door ICTregie
- Één van de zes goedgekeurde platformen
- Doelstelling
  - *Organiseren community*
  - *Input leveren voor SRA / Innovatieprogramma's*
  - *Invloed / SaaS op de agenda*
- Finance / Zorg / Overheid / ICT / Wetenschap

# Relations IIPs and IIP-SaaS



- IIP-Productsoftware
  - *Product software will more and more delivered as atomic entities that are combined by the business*
    - Cooperation on Service Software, synchronizing SRA
- IIP-Veilig verbonden
  - *Authentication, security and such will be a major factor in SaaS and will drive developments in this area*
    - Cooperation on SaaS related issues, synchronizing SRA
- IIP-Create
  - *Many of the changes for enabling the consumer are driven by Service Engineering and Service Software principles (and SaaS will be driven by it)*
    - Requirements can partly be derived from IIP-Create
- IIP-Zorg
  - *As one of the sectors where SaaS will have a high impact on businesses*

# Related programs NL



- Jacquard
  - *Focused on software engineering and enables the creation of SaaS solutions. Will go beyond software engineering*
    - Strong cooperation on development of projects
- SIICT (Service Innovation & ICT)
  - *Focuses on the service economy, SaaS is a strong enabling foundation*
    - Joint development of projects and community
- ICT2030.nl
  - *SaaS is one of the horizontal enabling ICT aspects*
    - Creating the SRA for SaaS and development of projects
- eXser
  - *Service innovation center in Almere*
    - Cooperation to be determined on future development



# Related programs EU



- Nessi



- *Community for Service development in Europe*

- Participation in direction, development of projects, lobby for Dutch involvement

- Itea2



- *Research on software intensive Systems and Services in networked organisations*

- More and more links between software intensive products and services > more overlap

# Doel vandaag



- Afstemming doelstellingen IIP-SaaS en aanpak
- Eerste slag in SRA
  - *Wat zijn de belangrijkste vraagstukken*

# Vervolgstappen na vandaag



- Uitwerking SRA met deelnemers
  - *Eerst de researchvragen in werkgroepen*
- ICT2030.nl / Andere vormen van innovatieprogramma's
  - *Onder regie van ICTregie*
  - *Betrokkenheid van community*
  - *Ontwikkeling projecten*
- Oktober volgende adviesgroep
  - *Goedkeuring SRA*
  - *Ontwikkeling projecten*

# Discussie doelstellingen en aanpak IIP-SaaS

# Strategic Research Agenda

An introduction

# Importance SaaS



- Strong influence on **Service Economy**
- We *are very much* a Service Economy
- Software is a strong **export** product
  
- SaaS enhances the service economy and creates new opportunities for product software and service providers

# IIP-SaaS

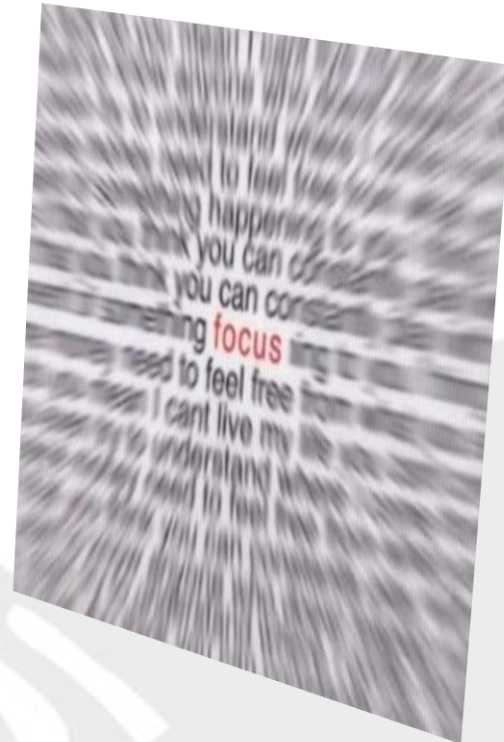


- Organize the community with a focus on cooperation across borders (business, disciplines)
- Create an SRA with the community and for the community of business, science and government
- Create projects around SaaS by working with the community and lobbying for finance
- Investigate the need for a coordinated effort by all research institutions

# Focus



- 8 year view towards the future (2008 – 2016)
- Important area's to create changes
  - *Knowledge creation (Business/Academia collaboration)*
  - *Innovation support (with technological institutions)*
  - *Curricula (Service Architect)*
  - *Community of professionals*
- Three focus area's
  - *Service Engineering*
  - *Service Software*
  - *Service Transition*



# (Broad) Goals in eight years



- Dutch research and education have a leading role in the World
- Education established in Service Engineering and Service Software on the Academic and Professional level
- World Class implementations of SaaS services with economic success in Dutch businesses with productivity increase
- NSEL as the common demonstration platform for SaaS innovations
- There exists a common platform for community and cooperation
- *SRA requires further refinements with the community*

- We are at the beginning
  - *Logistics management started with researching lorry trucks in a storeroom before it became a strong business driven field*
  - *Service Engineering only starts with RSS and Mashups but will grow into an important business field enabled by Service Software*



# Content SRA



1. Analyses and scenario's
2. Research subjects and questions
3. Phasing 2008 - 2016
4. Tech Transfer
5. Curricula recommendation
6. Community



# 1. Analyses and Scenarios



1. Analysis of the importance of SaaS
2. Optimistic and Pessimistic scenario on the growth and importance of Services and SaaS in the future
3. Implications on the areas like research, education and business

# 2. Research



1. Service Engineering (view from the business side)
  1. *From Roadmap SaS*
    1. Bedrijfseconomisch, Bestuurlijk en Juridisch, Inzicht, Toezicht en Handhaving, Architectuur en Service Engineering
  2. *From Jacquard*
    1. Afstemming, Integratie & Exploratie, Architectuur
2. Service software (view from the technology side)
  1. *From Roadmap SaS*
    1. Identiteit en Beveiliging, Interoperabiliteit
  2. *From Jacquard*
    1. Configuratie, Integratie & Exploratie, Componentisatie
3. Service Transition (view from practical implementation)

***Adaption and refinement with the community***

***What is our focus?***

# 3. Phasing 2008 - 2016



	2 years	4 years	6 years	8 years
1. Research	Large KP7 projects Dutch research projects on the way	First results to be used in education and business	Results KP7, new projects with Dutch universities in the lead	Hotspot of SaaS research
2. Education	Short courses for professionals and influence on current curricula	Start curricula development service engineer	Start education based on curricula	Internationally known
3. Valorization	Communication around successful projects integrated	Established and sustainable testbed for new pilots	Used by business and not only science, speeding up valorization	Hotspot for the implementation and testing of real life SaaS applications
4. Guilds	Start legal entity	Known and used as communication platform	Most users are member	Service Engineer as a profession

# 4. Technology transfer



- Focus on “making things work” in real life
- Structural cooperation of partners from Academia, Technological Institutions and business
- Diverse testbeds and cooperations agreement to test new developments
- A joint focus on priorities

# 5. Curricula recommendation

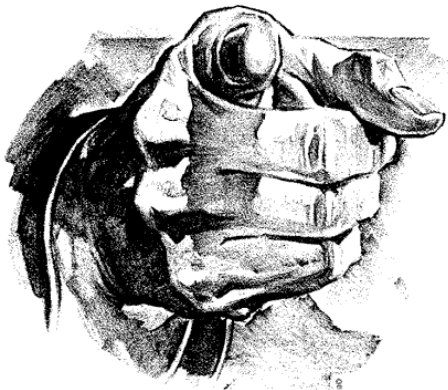


- Short courses for professionals
- Education for service Engineer
- Education of Service Software in ICT education
  
- N.b. Academic and Professional education

# 6. Community



- From the following fields
  - *Application domains: Finance, Health, Government, ...*
  - *ICT companies*
  - *Research and Education*
- Focus on the need from the application domains



# Parallelsessies

Service Engineering  
Service Software  
Service Transition

# Parallelsessies



- Service Engineering (*voorzitter / Scribent*)
  - *Hans Akkermans (VU) / Douwe Postmus (RUG)*
- Service Software
  - *Andrew Mooijman (Logica) / Robert Taipa (UT)*
- Service Transitie
  - *Erik Proper (CapGemini) / Sjoerd Meihuizen (NWO)*

# Template



- Belangrijkste research thema's met voorbeelden
  - Kenmerkende researchvragen
  - Zorg, Overheid, Finance, (ICT)
  - Voorbeeld projecten
- 
- Terugkoppeling aan de hand van powerpoint door voorzitter

# Terugkoppeling parallelsessies

Service Engineering

Service Software

Service Transitie

# Discussie vervolgstappen

Werkgroepen  
Programma's

# SRA vervolgstappen



- Uitwerking in werkgroepjes op basis info vandaag
  - *(wie meld zich aan)*
  - *Eerste versie eind september (29 september)*
- Rondsturen en reacties mail
  - *Tot half oktober*
- Laatste slag Hans Wortmann / Martijn Kriens
  - *Rondsturen 24 oktober*
- Adviesraad 29 oktober

# Wrap-up



# Criteria

## Innovatieprogramma's (EZ)



- 1) excellentie,
- 2) bijdrage aan economie en maatschappij,
- 3) samenhang en (internationale) samenwerking,
- 4) aanwezigheid van knelpunten,
- 5) effectiviteit en efficiëntie van overheidsingrijpen,
- 6) vertrouwen in de aanpak.

# Criteria Strategische Advies Commissie (SAC)



- Excellentie
- Economische kansen en maatschappelijke uitdagingen
- Kan de markt het alleen af / noodzaak overheidsingrijpen