



# Sun Microsystems & Enterprise Architecture:

## Enterprise Architecture & Innovation

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# Introduction

- Wayne Horkan – UK & Ireland CTO

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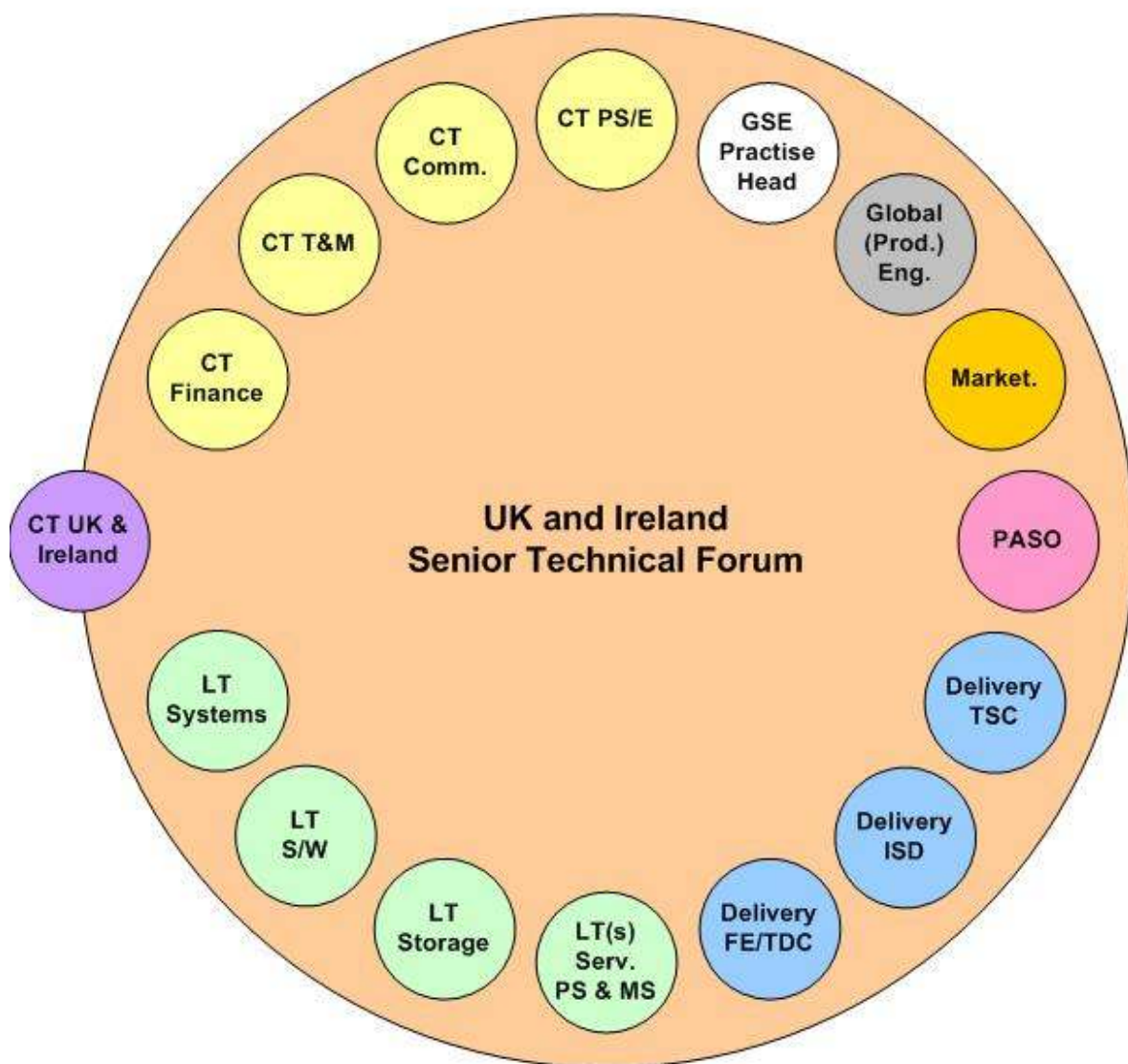
# A History of Innovation

- Sun & Innovation
  - NFS
  - Solaris (& BSD)
  - Java & J2EE
  - E10K – the first UNIX mainframe
  - Open Standards – Advocate
  - Open Source – Champions & Pioneers
  
- But Enterprise Architecture ?

# Sun Micro. & Enterprise Architecture

- Founder member of the OG
- Enterprise Architecture (EA) is alive & kicking in Sun
  - > Widely used in Sun to help manage ITops
  - > Used with customers
  - > And new, innovative uses found even today...

# UK & Ireland Technical Governance – I



- Chairman: Chief Technologist for the UK & Ireland - Wayne Horkan
- Global Systems Engineering Practise Head – Greg Nolan
- Finance - Chief Technologist for Finance (UK & Ireland GEM) - Alan Higginson
- Telco & Media - Chief Technologist for Telco & Media (UK & Ireland GEM) - Mike Osbourne
- Commercial - Chief Technologist for Commercial (UK & Ireland GEM) - Mike Lee
- Public Sector & Education - Chief Technologist for Public Sector & Education (UK & Ireland GEM) - Dave Gittins
- Systems - Lead Technologist for Systems (UK & Ireland GEM) - Terry Smith
- Storage - Lead Technologist for Storage (UK & Ireland GEM) - Chris Fennessey
- Software - Lead Technologist for Software (UK & Ireland GEM) - Vince Keehan
- Services - Lead Technologist for Managed Services (UK & Ireland GEM) - John Windebank (shared seat below)
- Services - Lead Technologist for Professional Services & SEC (UK & Ireland GEM) - Mike Ramchand (shared seat above)
- Partners – Phil Bates
- Delivery & Support – Field Eng. / Technical Design Consultants – Tom Connolly
- Delivery & Support – Integrated Service Delivery – Ian Russell
- Delivery & Support – Technical Support Centre - TBA
- Marketing – Chris Atkins

# UK & Ireland Technical Governance - II

- Communication and awareness mechanism for the technical community.
  - > Remit:
    - To encourage and maintain open communication lines between the major technical communities in the UK & Ireland GEM.
  - > An open forum of multi-point communication - driving awareness & shared responsibility for issues which concern the UK & Ireland technical community, including, but not bound by:
    - Technology buying trends coming out of the individual Industry Business Units (and sub-business units)
    - Major product and offering pushes and strategies coming out of the Practises
    - Architectural implentability between the Sales Support and Delivery functions

## The 3 major uses of EA at Sun Micro.

- Enterprise Architecture practise, methods and techniques are in use across Sun today
- 3 majors uses of EA
  - > Internally – for ourselves
  - > Externally – with our customers
  - > EA Innovation – Generating Customer Insight



# Internally

- COO of Sun Federal, recent ex-CIO - Bill Vass
  - > Ex DoD
  - > Championed and promoted the use of EA within Sun
  - > Created a Sun EA Strategy & Playbook
  - > Mainly DODAF & TOGAF based

# Initiatives

- Reduce estate complexity
- Reduce number of applications
- Centralise functionality
- Increase Visibility of systems

# Bill Vass's CIO Essentials

- **Rule 1 - Open systems succeed.**
- **Rule 2 - Proprietary systems fail in the long run.**
- **Rule 3 - Separate logical layers.**
- **Rule 4 - Standards matter.**
- **Rule 5 - What's old is new again.**
- **Rule 6 - Technology is not a problem.**
- **Rule 7 - Know your estimation factor.**
- **Rule 8 - You manage what you measure.**
- **Rule 9 - Don't let the best be the enemy of the better.**
- **Rule 10 - Nothing in life is easy.**

# IBIS

- IT / IS Estate complexity reduction
- Reduced number of applications
- Mapping across the organisation of application usage
- Looking for commonality
- Multiple applications replaced by a single application platform
- Real world business and operational simplification
- Current cost savings in the many millions

# Helios

- An online, real-time Service Catalogue
- Understanding our Business Systems and the IT / IS systems which support them
- A Service Catalogue (electronic or not) is a fundamental building block of an SOA implementation
- Maps Business Unit, to Business User, to IS System, to IT Systems, to Infrastructure Platform, to Data Centre, to Operational Management
- Reports (real-time or static) can be generated for any of the combination of views above

## Helping them define their EA

- Sun Engineers and Consultants work with Customers as part of their EA teams
- Also find Sun staff in customer Governance Structures
- Examples:
  - > United Utilities
  - > HMRC
  - > Cabinet Office
  - > Sainsbury's / Accenture
  - > And others...

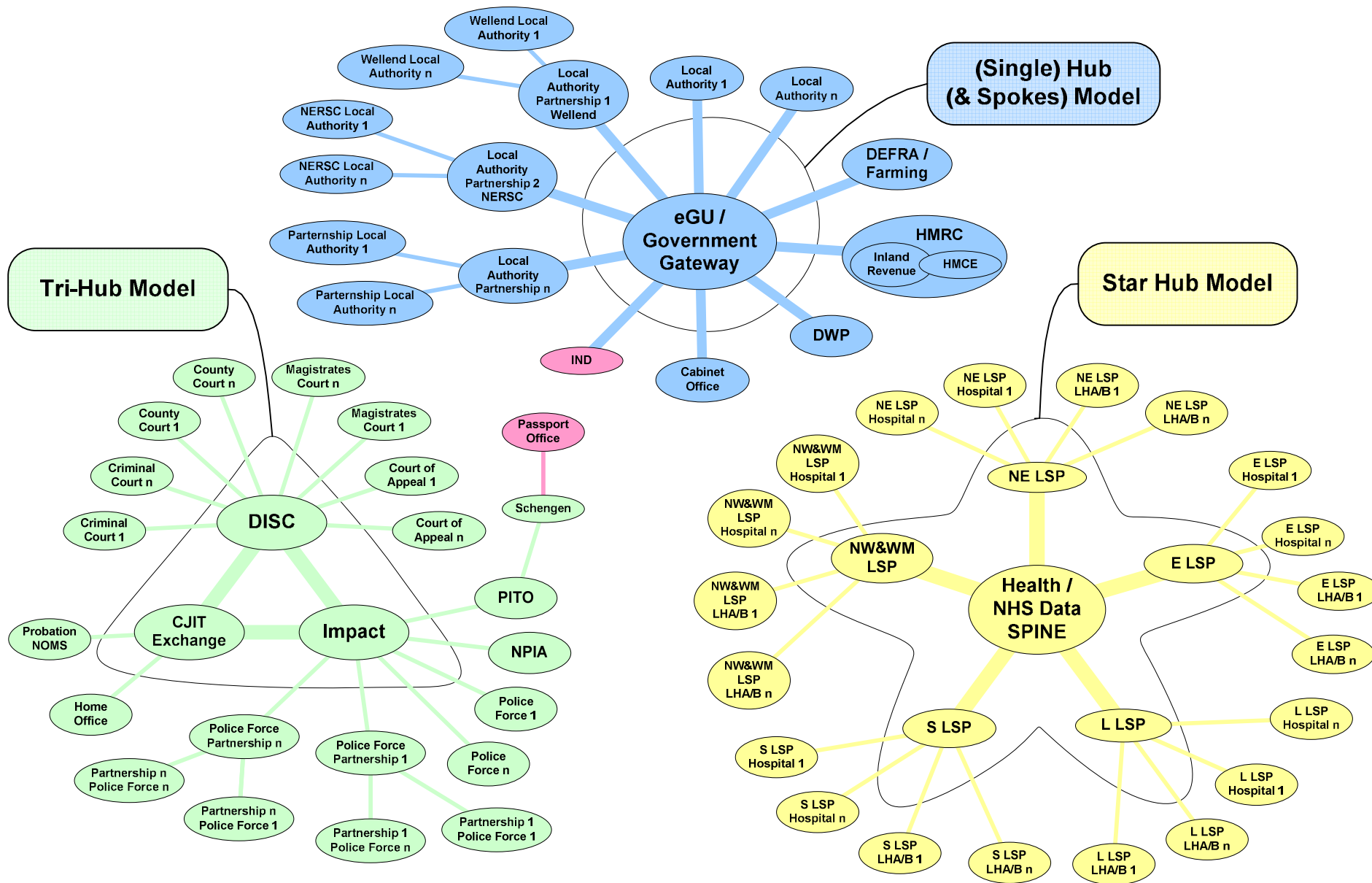
## Delivering components into there EA

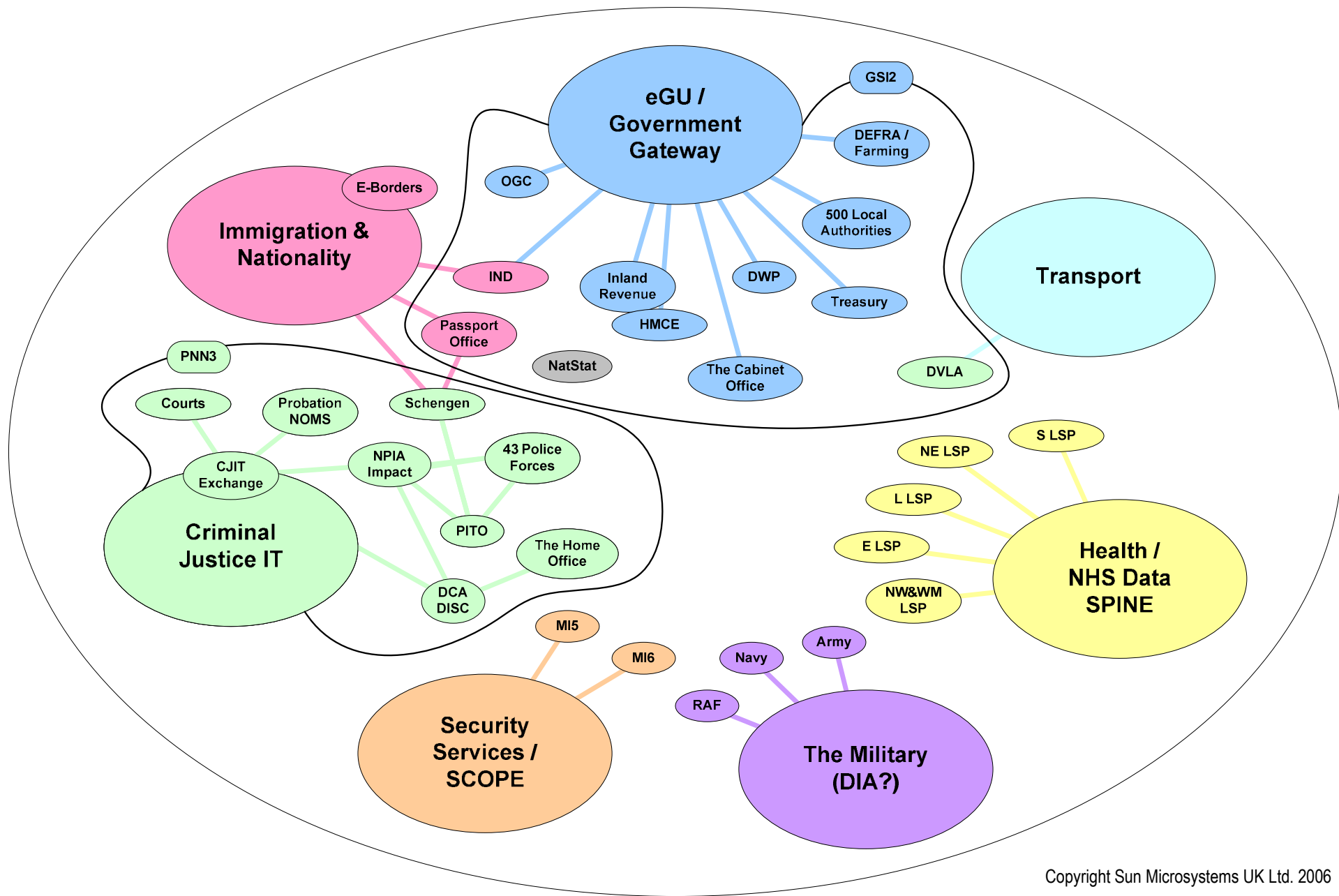
- Design and Build documents delivered by Sun can make up part of the documents set of an EA
  - > Streamline EA delivery by producing a common, consistent document set

# EA & Innovation

- Generate Customer Insight & Intelligence
  - > Sun Lightweight Enterprise Architecture Framework
  - > Build systems architectures, models
  
- Develop new analysis methods, such as:
  - > Use case Sizing and Capacity Planning
  - > Use case Security Policy Definition
  - > Virtualisation Definition Methods
  - > And others...







# Where to get help from Sun re: EA

- Your account team – if you have one
  - > Reference this event & me too
- Alternatively – myself
  - > I'll get you in touch with the appropriate Industry Sector / Partner chief technologist
  - > Or work with you direct
- Contact details:
  - > wayne \*dot\* horkan \*at\* sun \*dot\* com
  - > <http://blogs.sun.com/eclectic/>
  - > <http://www.linkedin.com/in/waynehorkan>

# Summary

- Sun not only uses EA techniques and methods to manage it's own IT / IS estate, but...
- We also work with customers
  - > in there technical governance structures and enterprise architecture teams
  - > We deliver components into there EA
- We innovatively use lightweight EA techniques to understand our customers better and drive customer insight in Sun
  - > And develop new approaches to analysis of IT / IS systems



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