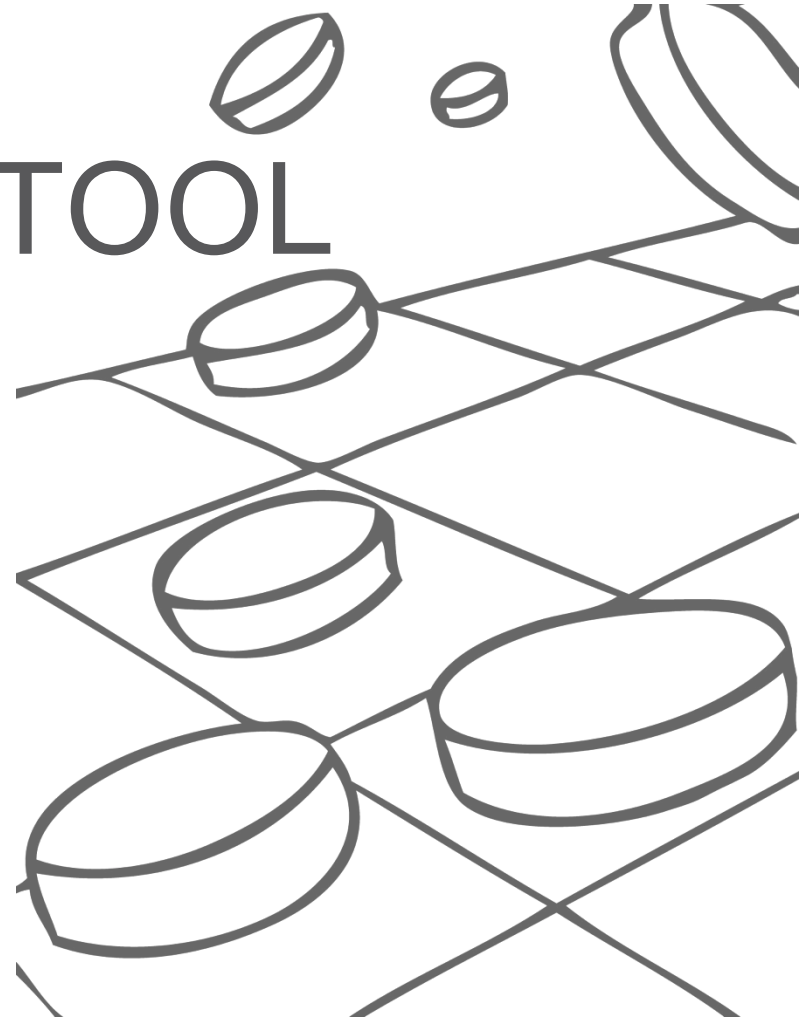


DATA MANAGEMENT TOOL



Rome, October 6th, 2011

Agenda

- › WHAT
- › WHY
- › Main Challenges → Flexibility
- › HOW
- › SOME NUMBERS

UTRAN CONFIGURATION SUPPORT SYSTEM

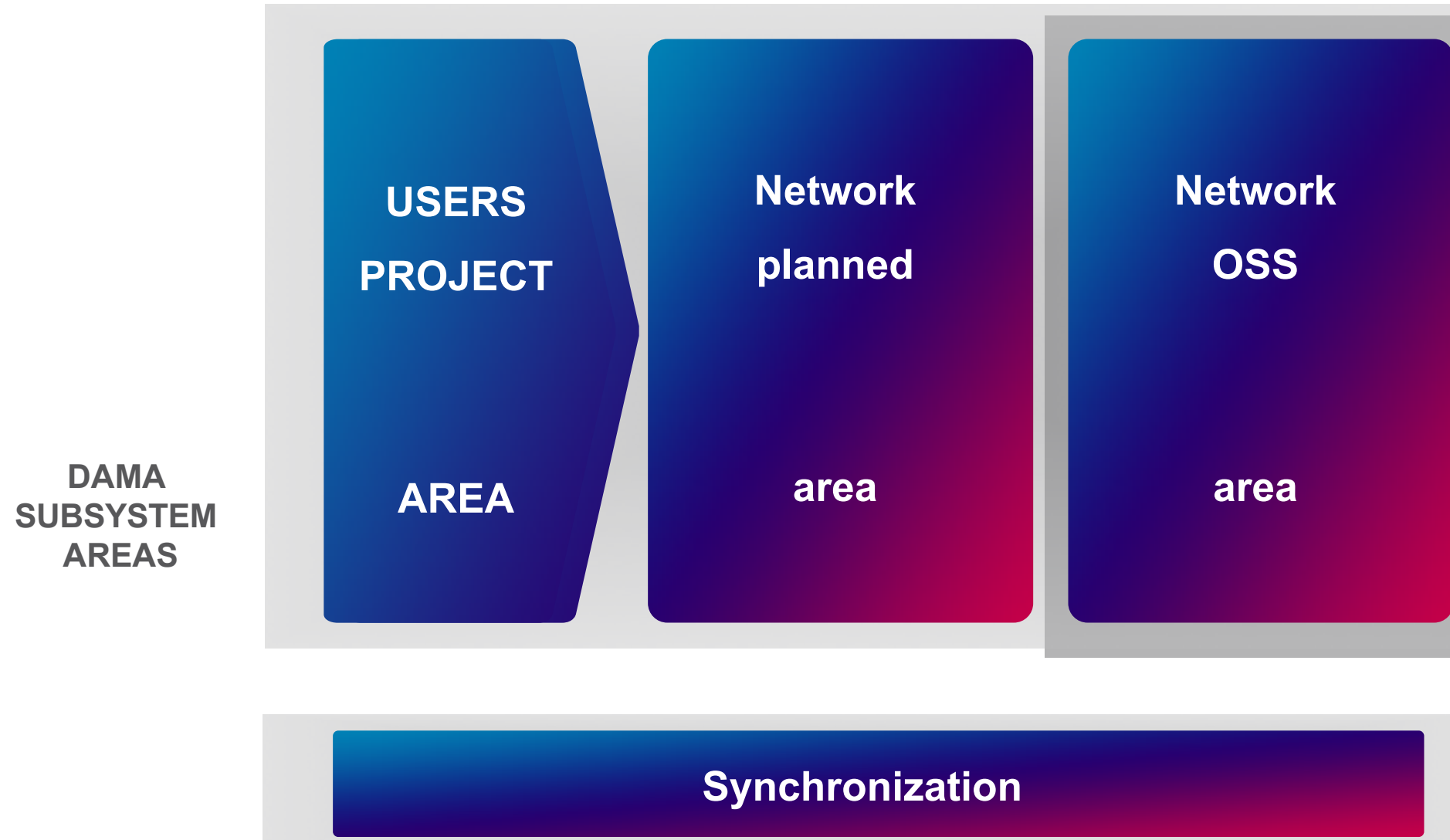
- Radio and Transport Network Planning
- Customer Data Request production
- XML scripts creation for Radio and/or Transport (ATM-IP)
- Network Synchronization DAMA - OSS



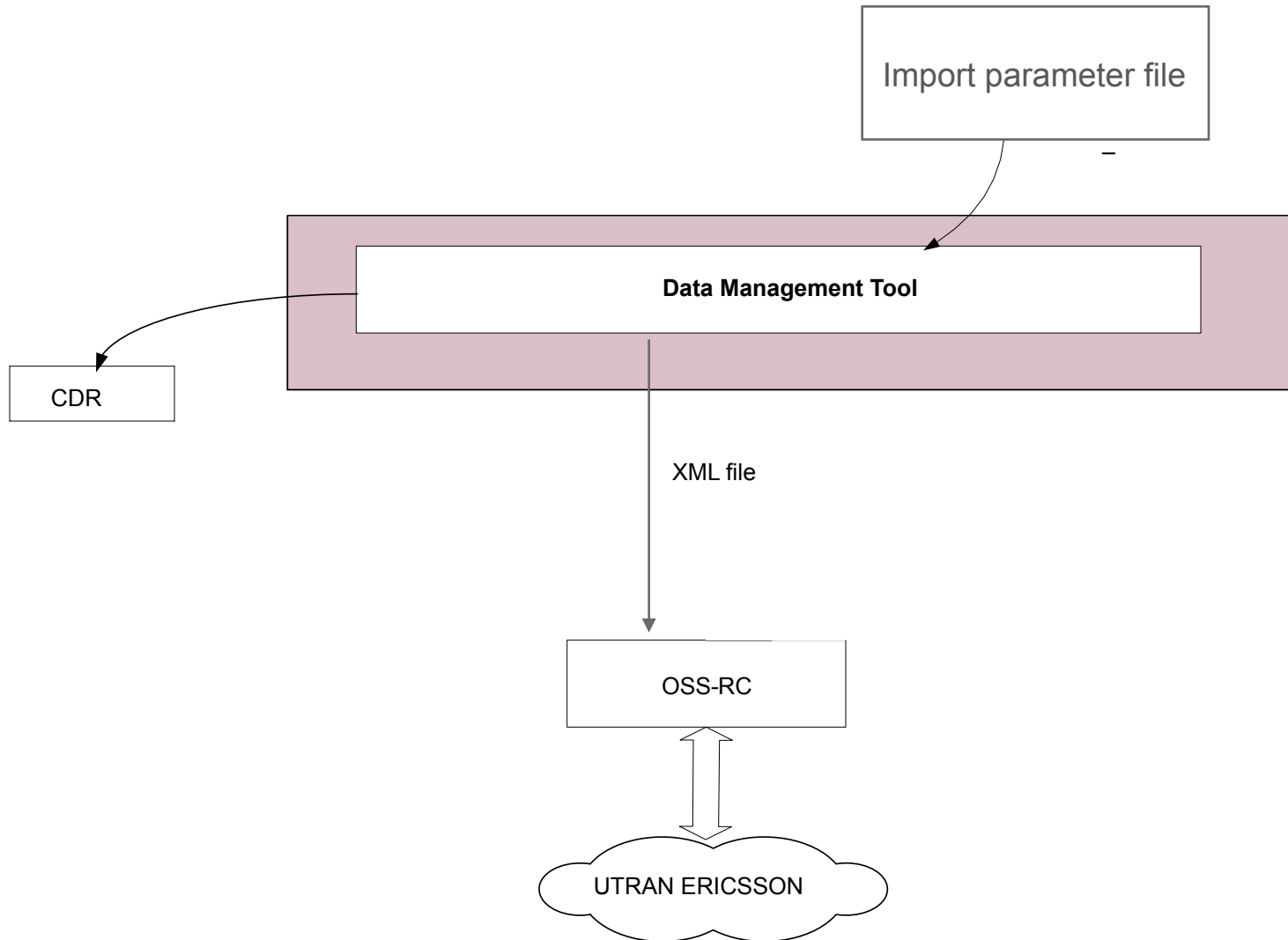
- 3G Ericsson fully supported
- 3G Multi-vendor ready
- Multi-technology ready



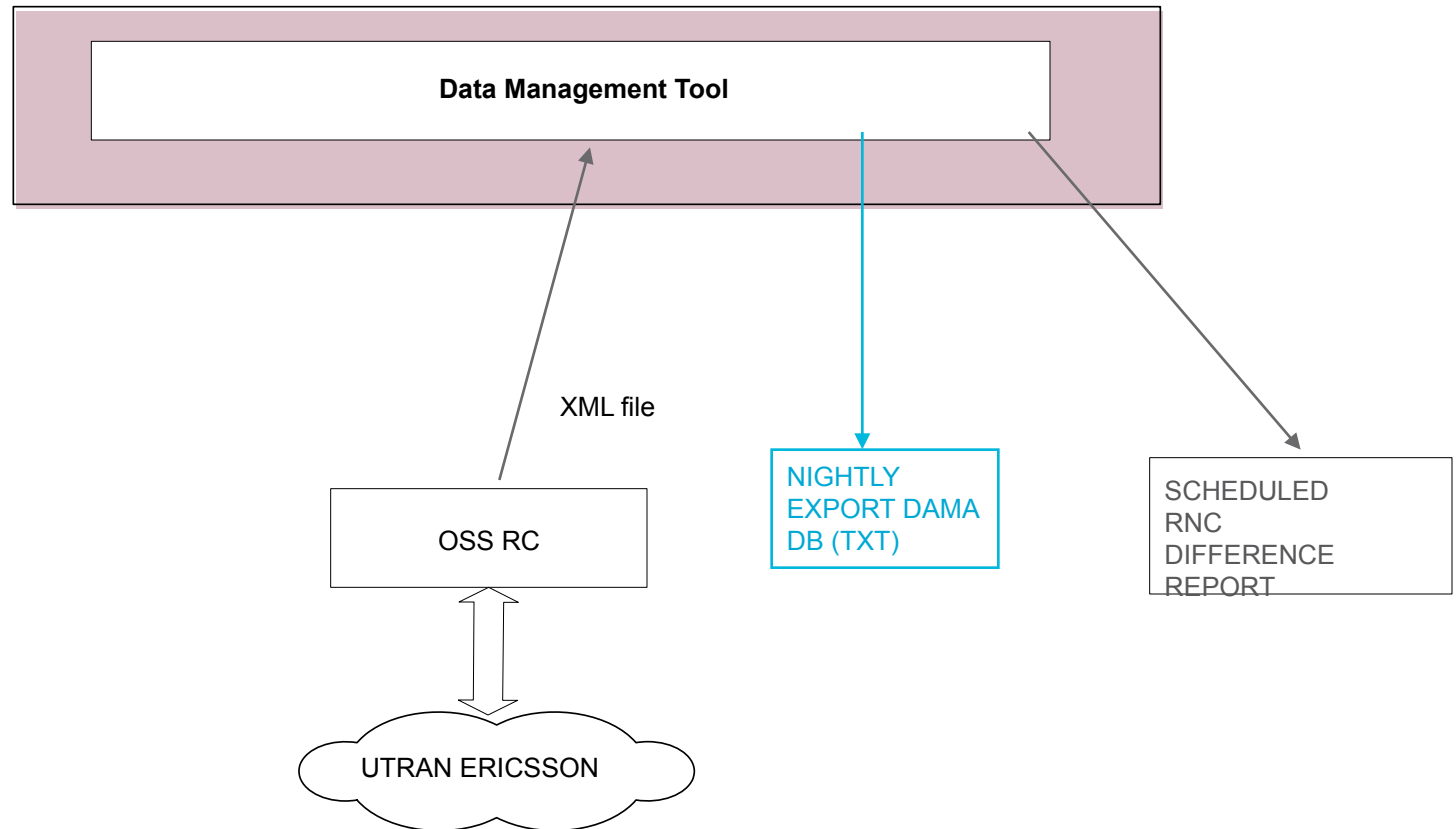
DAMA areas overview



What : WRAN Network planning



What : Network Synchronization



Agenda

› WHAT

› WHY

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› HOW

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UTRAN DATA PRODUCTION EVOLUTION

Network and Features Evolution



Rising network data volumes



End user focus

Quality of delivery and minimize out of service



Why a new tool

› ARCHITECTURE

Old Product's architecture and code are obsolete. It implies:

- Not performant with respect to the network evolution requirements
- Incremental development phases in the years make difficult and expensive to implement new functionality or improve existing one
- Any change in the environment means several hours out of service

› Service Quality

- The supplier' performances are lower than expected in terms of tool readiness and flexibility . It implies difficult to have answers in time (SW changes and upgrade).

Agenda

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FLEXIBILITY

CODE

Developed according the SOA (Service Oriented Architecture) paradigm.

DB

Multi-vendor

Multi-technology

XML/CDR/TEMPLATE

XML, CDR can be change faster

Flexible TEMPLATE, example:

- Change all can be executed for all SW release
- New Parameters or new name don't require any change
- Automatic cell selection

REPORT

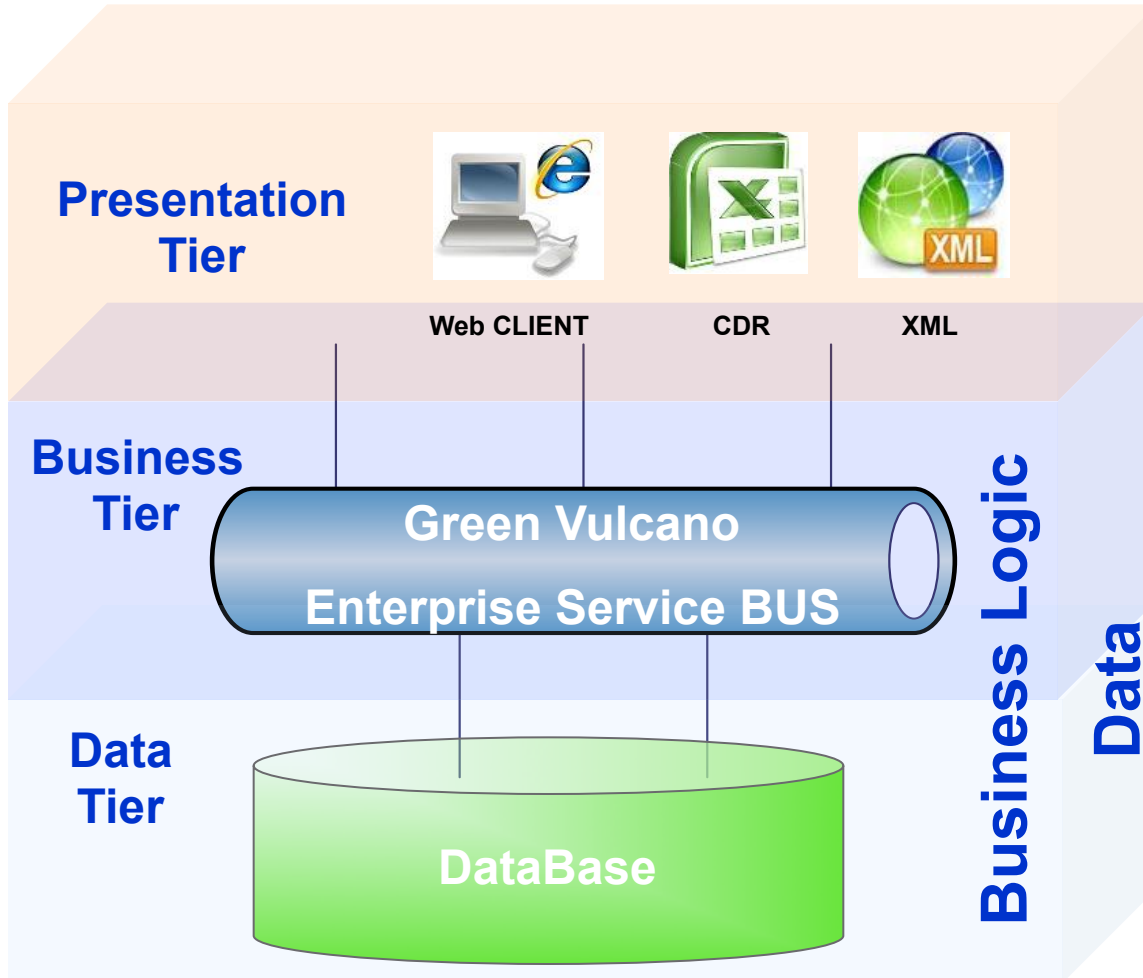
Most important reports have been already created

With some experience users could create them alone

Agenda

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Architecture overview



➤ **Web Based Application**

➤ **Multi thread Application**

➤ **Services Oriented** integration
(Wrap applications into modular services)

➤ **Technology enables** already available for Future Integration
(e.g. ARS REMEDY)

➤ **Data access Layer**

Agenda

- › WHAT
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SOME Numbers

- › **Having a total configurable products means:**
 - An UTRAN Change release can be done in 2 weeks instead of 12 weeks.
 - Add 1 RBS can be done in 30 minutes instead of 4 weeks
 - Add 5 RBS can be done in 15 minutes instead of 12 hours
 - Change OSS release can be done in 5 days instead of 6 months



ERICSSON