

# **SETSO SG BM**

## **Sub Group Balance Management**

### **Progress Report**

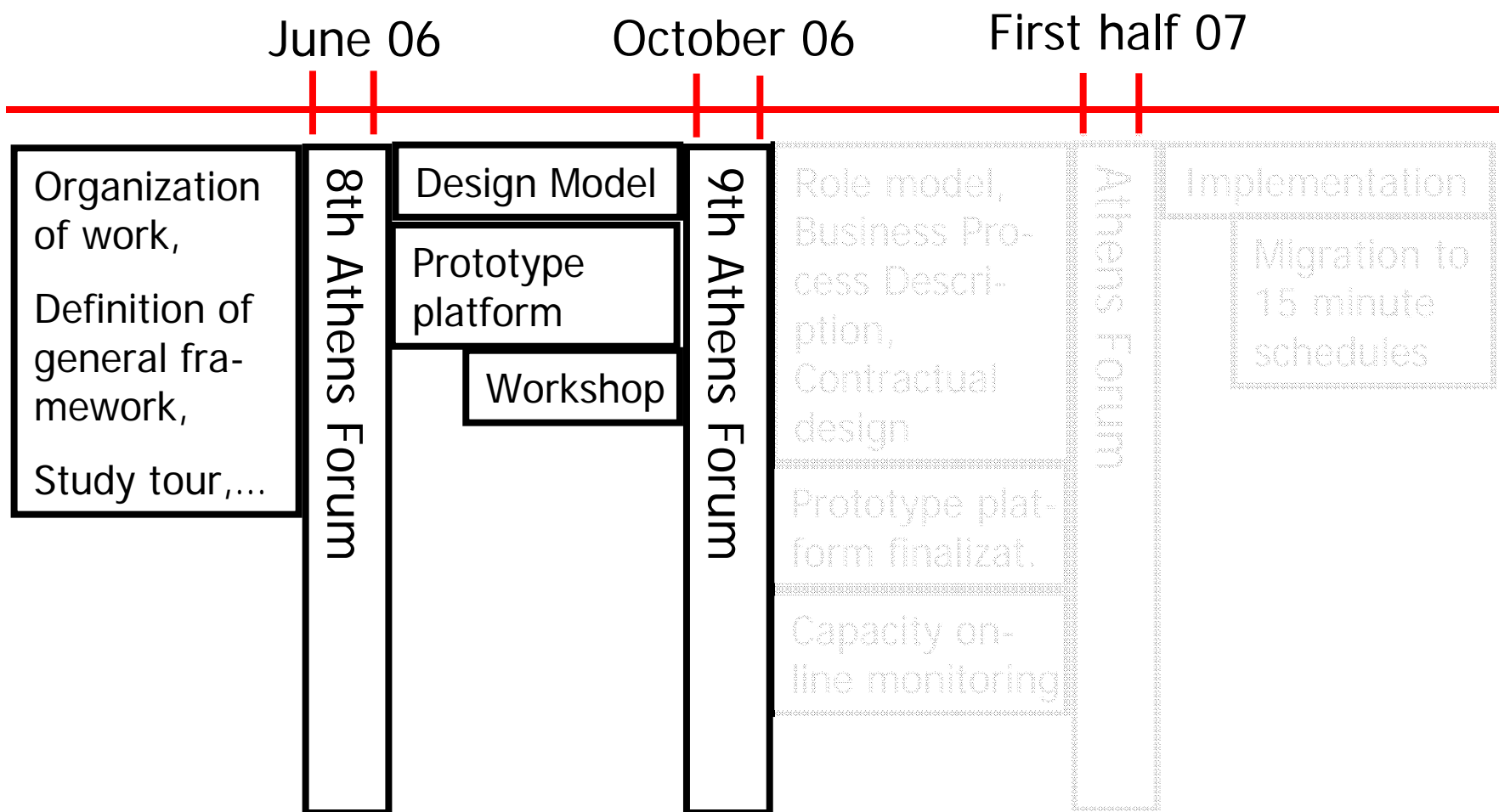
9th Athens Forum, October, 24, 2006

Uros Salobir

Co-convenor SETSO SG BM

*SG BM Report to the 9th Athens Forum,  
October 24, 2006*

# Timeline of the project



# Basic pillars of the RBM Design Model

## Transmission capacities

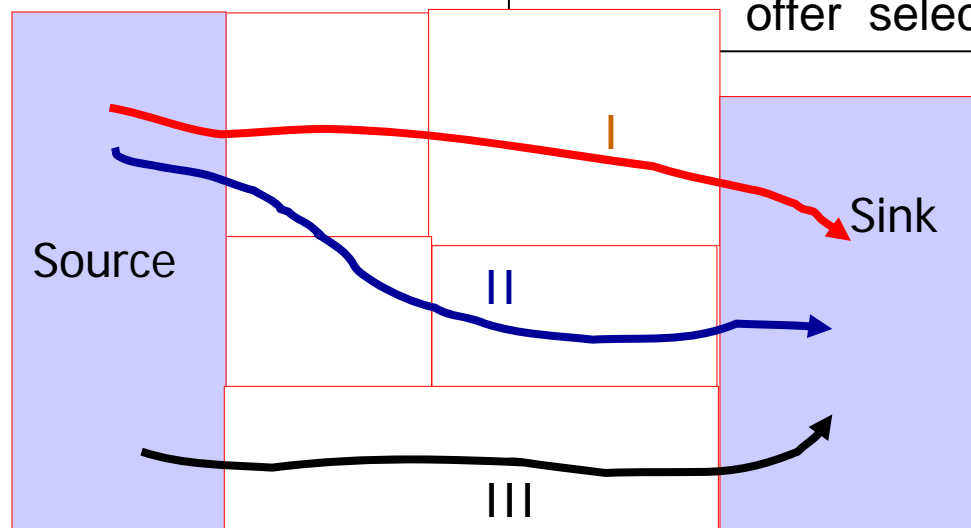
Composit TSO to TSO capacities  
calculated from ATC (NTC)

## Offers management

Availability list with Merit order based  
on offer price and accessibility

## Selection / activation of offers

Continous decentralized  
offer selection



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New bid Change Delete BIDDING FORM! [go to downward\(-\)](#)

Availability List: UPWARD (+)						
	Code	Product ▲	Quantity (MWh/h) □	Price (EUR/MWh) □	Source TSO □	All or Nothing □
<input type="checkbox"/>	UUCQ	H_2006.10.17_17h-18h	20	35.00	RS	
<input type="checkbox"/>	XFRP	H_2006.10.17_20h-21h	80	21.00	RS	
<input type="checkbox"/>	OFIY	H_2006.10.17_23h-24h	80	26.00	IT	
<input type="checkbox"/>	ONNX	H_2006.10.17_23h-24h	10	26.50	IT	
<input type="checkbox"/>	<b>I8VR</b>	<b>H_2006.10.17_23h-24h</b>	<b>15</b>	<b>28.00</b>	AL	
<input type="checkbox"/>	<b>D6D0</b>	<b>H_2006.10.17_23h-24h</b>	<b>8</b>	<b>30.00</b>	AL	<b>X</b>

# Basic pillars of the RBM Design Model

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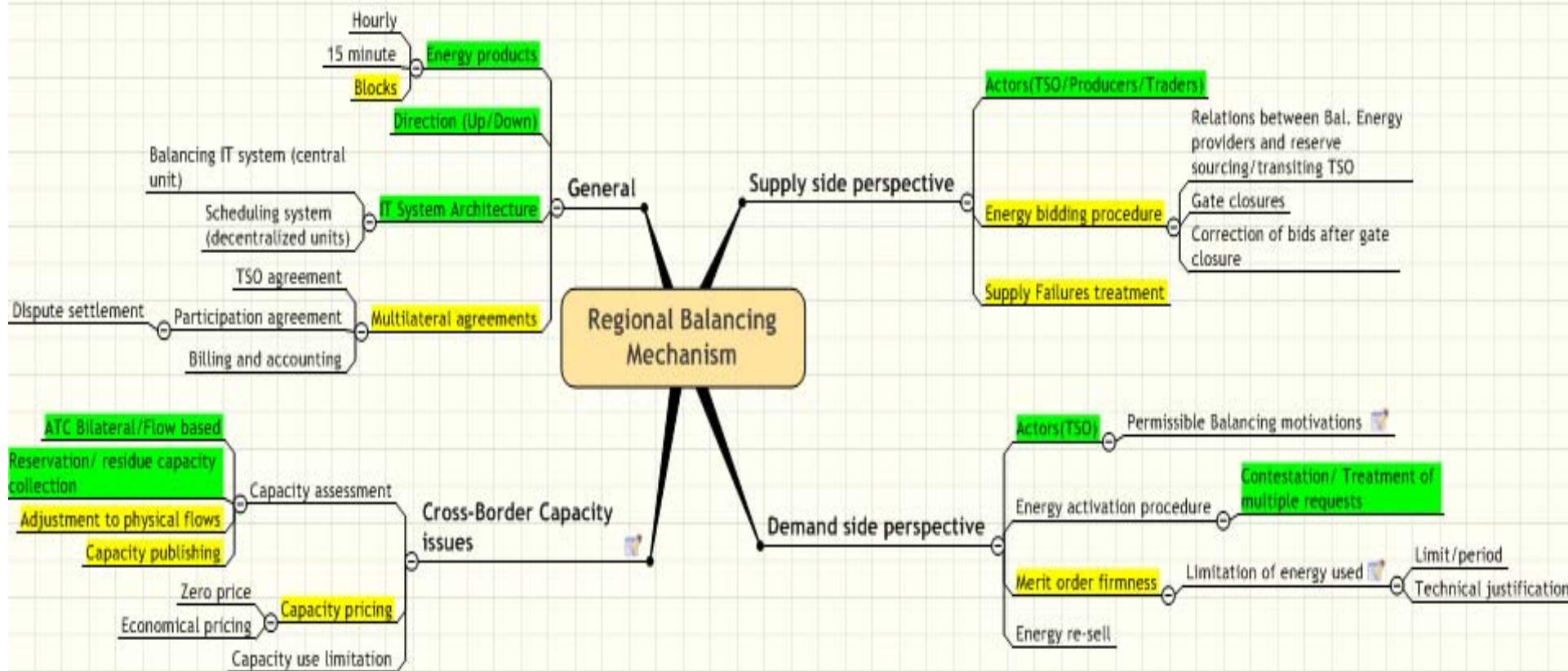
**Product: hourly balancing  
energy**

**No remuneration for availability  
of balancing energy**

**No cross-border capacity  
reservation and remuneration**

**Not intended to lower UCTE reserve  
requirements for control areas**

# General framework for design



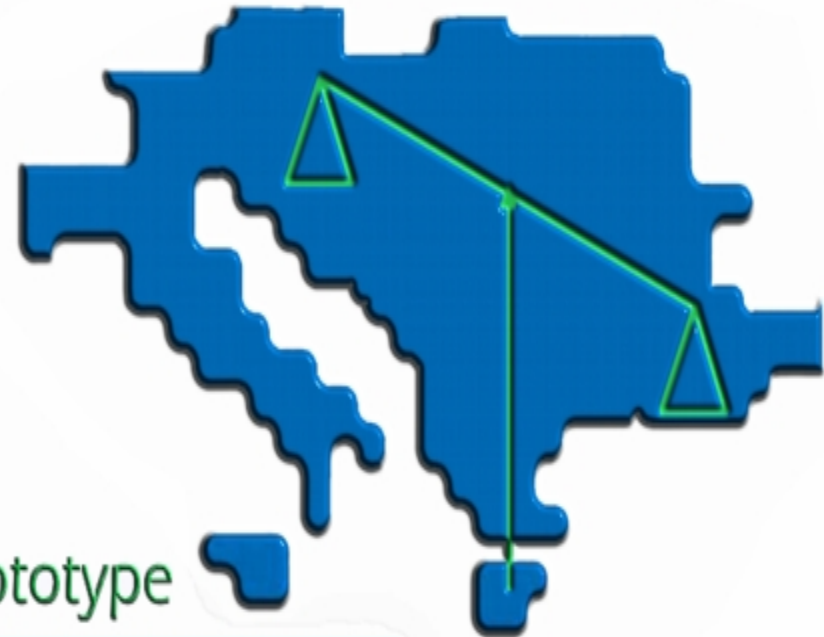
Address

http://www.ekc-ltd.com/betsee



**BETSEE** prototype

balance energy tool for south east europe



[<< About BETSEE](#)

User:

Password:

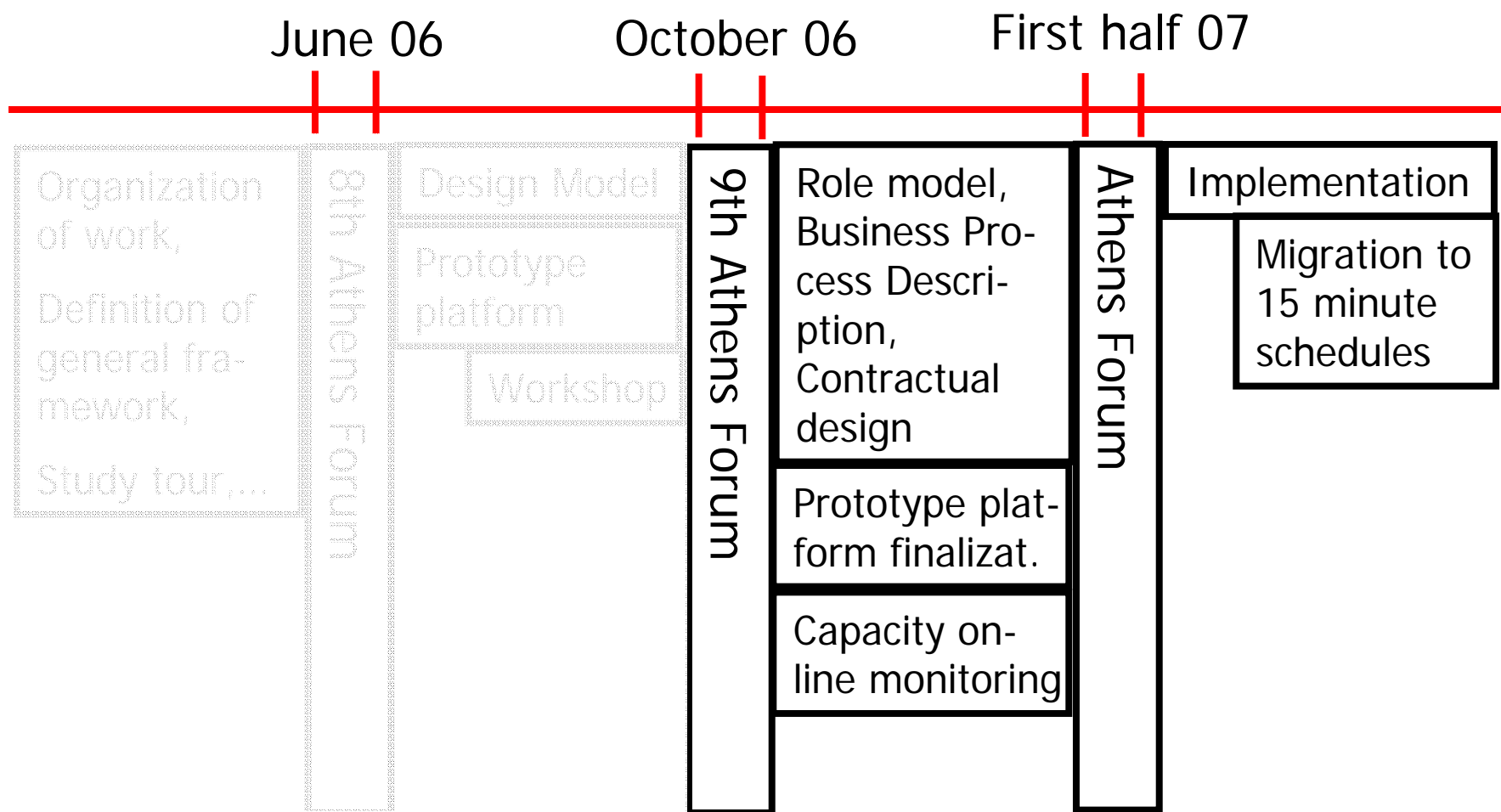
[BETSEE Login >>](#)

## Prototype platform BETSEE

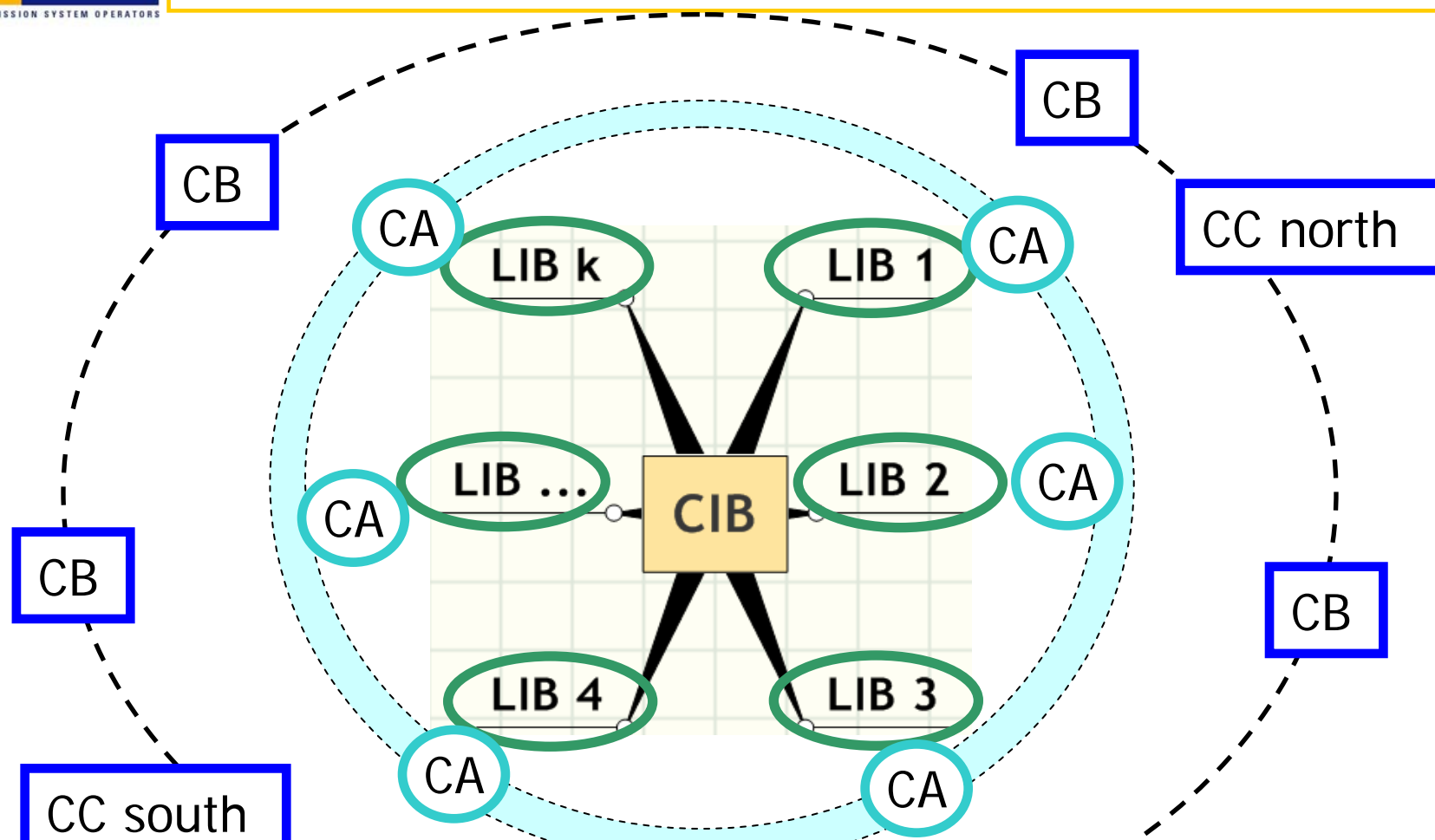
- ◆ BM SG made the balancing energy platform prototype →
- ◆ to visualise, test and practice the SGs proposals on future design of regional BM, before going to the final solution of the platform
- ◆ BETSEE platform prototype:
  - design idea by: SETSO BM SG
  - programming: EKC & assistance from TSO-EPCG
  - Financed by: SEETEC
  - hosted at: [www.ekc-ltd.com/betsee](http://www.ekc-ltd.com/betsee)

Final basic version is online now >>

# Next steps of the project



# General IT system architecture



Central and local IT systems (CIB, LIB), UCTE scheduling entities CA, CB and CC connected via Balancing IT Network

# Workshop Topics

- ◆ **Introduction**
  - Objectives of SG / RBM
  - Approach / product
  - Relations to other markets
  - General framework of design
  - IT Platform / usage of RBM infrastructure for intra-day trade
- ◆ **Design features**
  - Network model
  - Common availability list
  - Selection of bids
  - Congestion pricing
- ◆ **Other issues**
  - National regulation / inter-TSO agreement
- ◆ **Demonstration of web-based prototype (BETSEE)**

# Conclusion

- ◆ **In the half a year joint work, BM SG:**
  - **Agreed on the regional balance management design** (continuous-decentralized, pay as bid...)
  - **Resolved critical issues such as transmission capacity usage, congestion pricing**
  - **Visualise the design through the platform prototype**
  
- **Further work on contractual, legal issues necessary – cooperation with the regulators**
- **Our goal is to put the RBM in practice during 2007**