

PCR Status Update

European Stakeholder Committee
8th June 2017

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I. Euphemia Performance

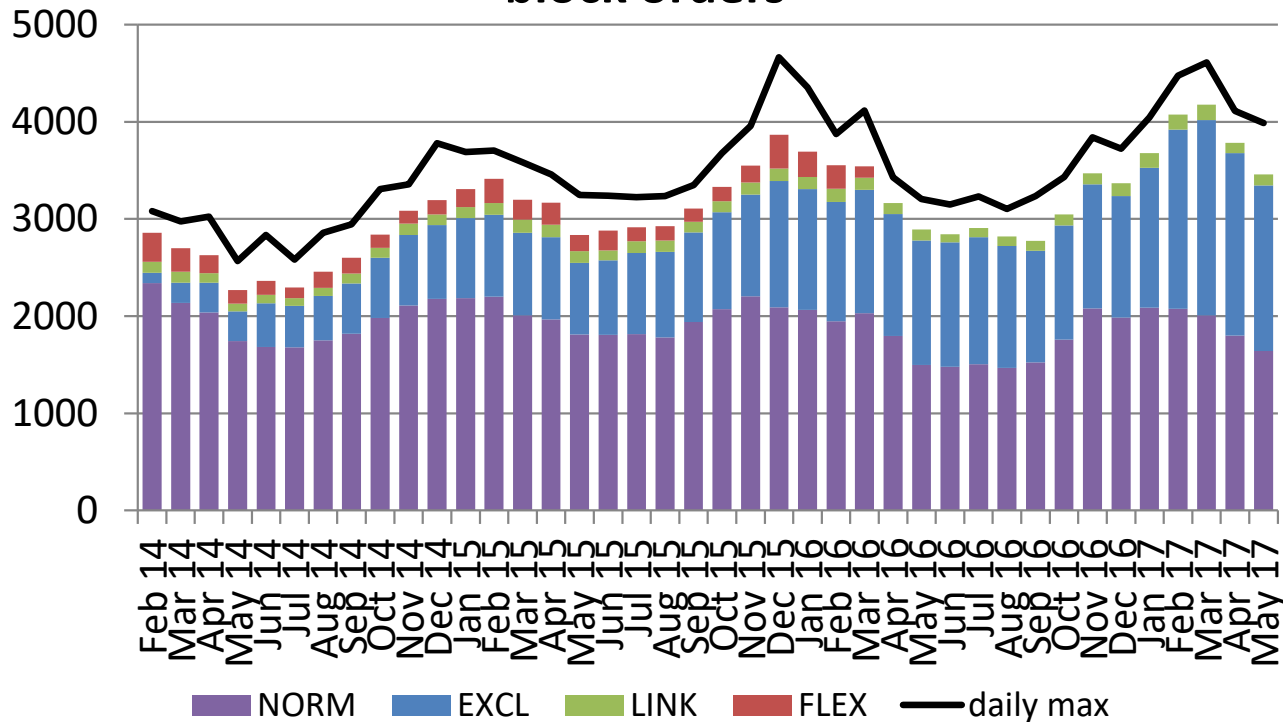
II. System Upgrades

III. Extensions of Members / Geographic Use of PCR Assets

I. Euphemia Performance

MRC Orderbook Growth – Block Orders

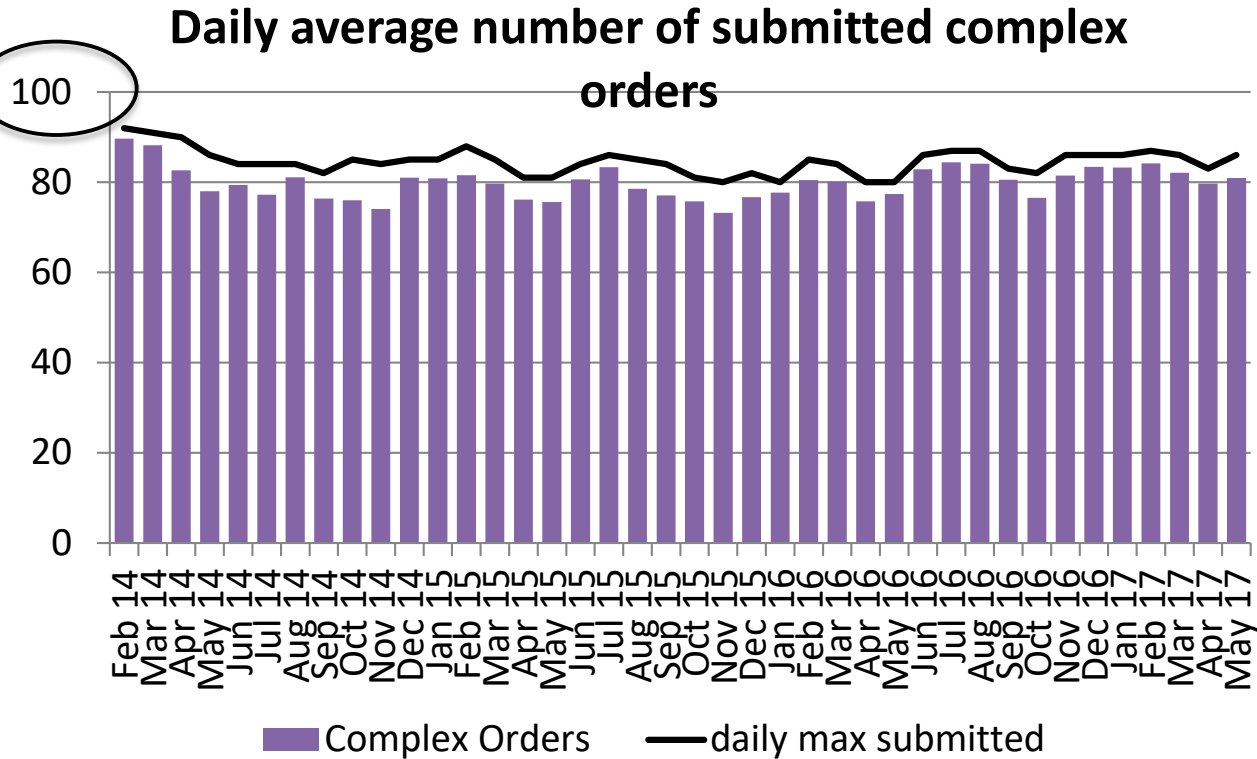
MRC - Daily average number of submitted block orders



#daily MRC Blocks continues to vary; Since 2015 the trend is an increase in the number of exclusive blocks

MRC Orderbook Growth – Complex Orders

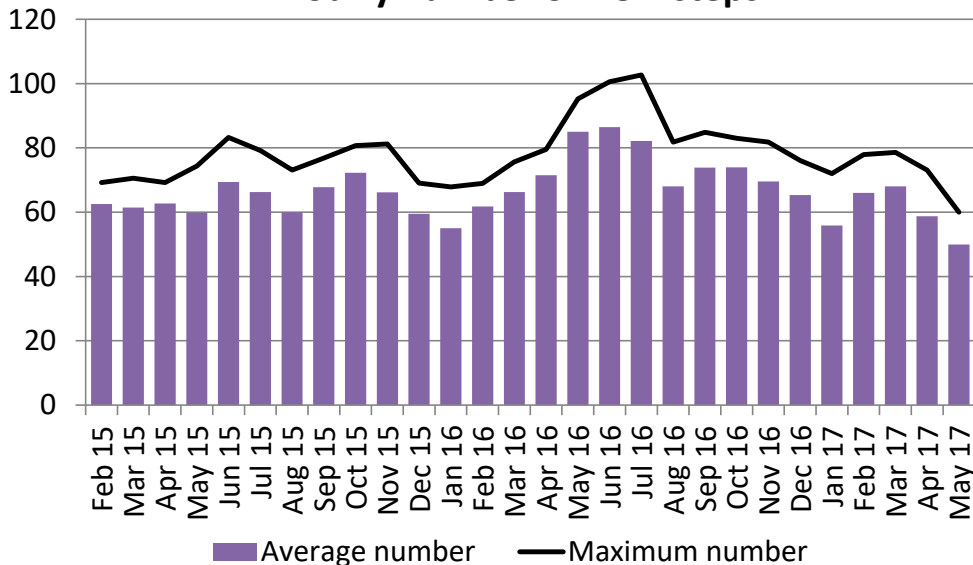
Note
difference
in scale



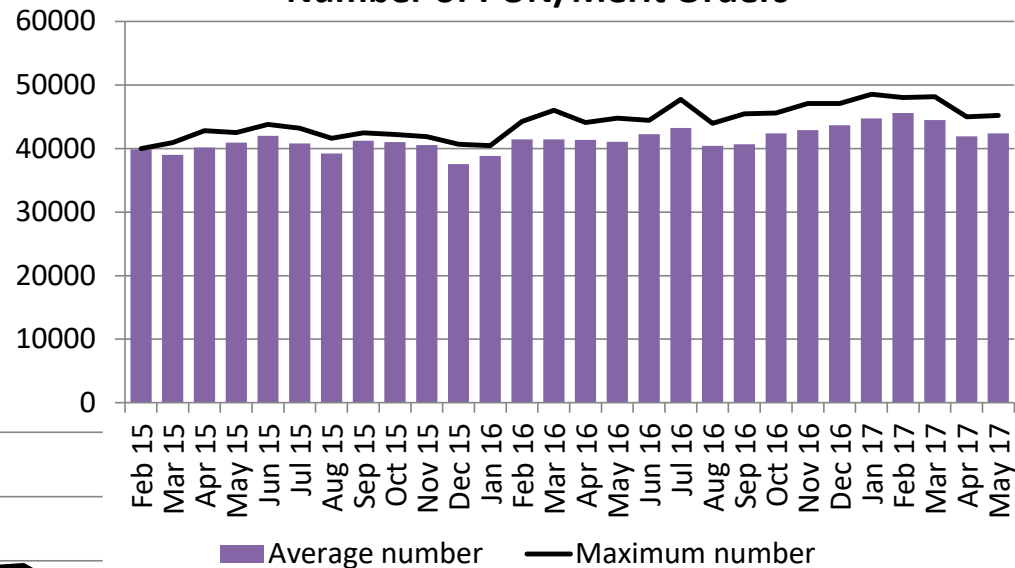
#Complex orders stable

MRC Orderbook Growth – Merit/PUN orders

Hourly number of PUN steps



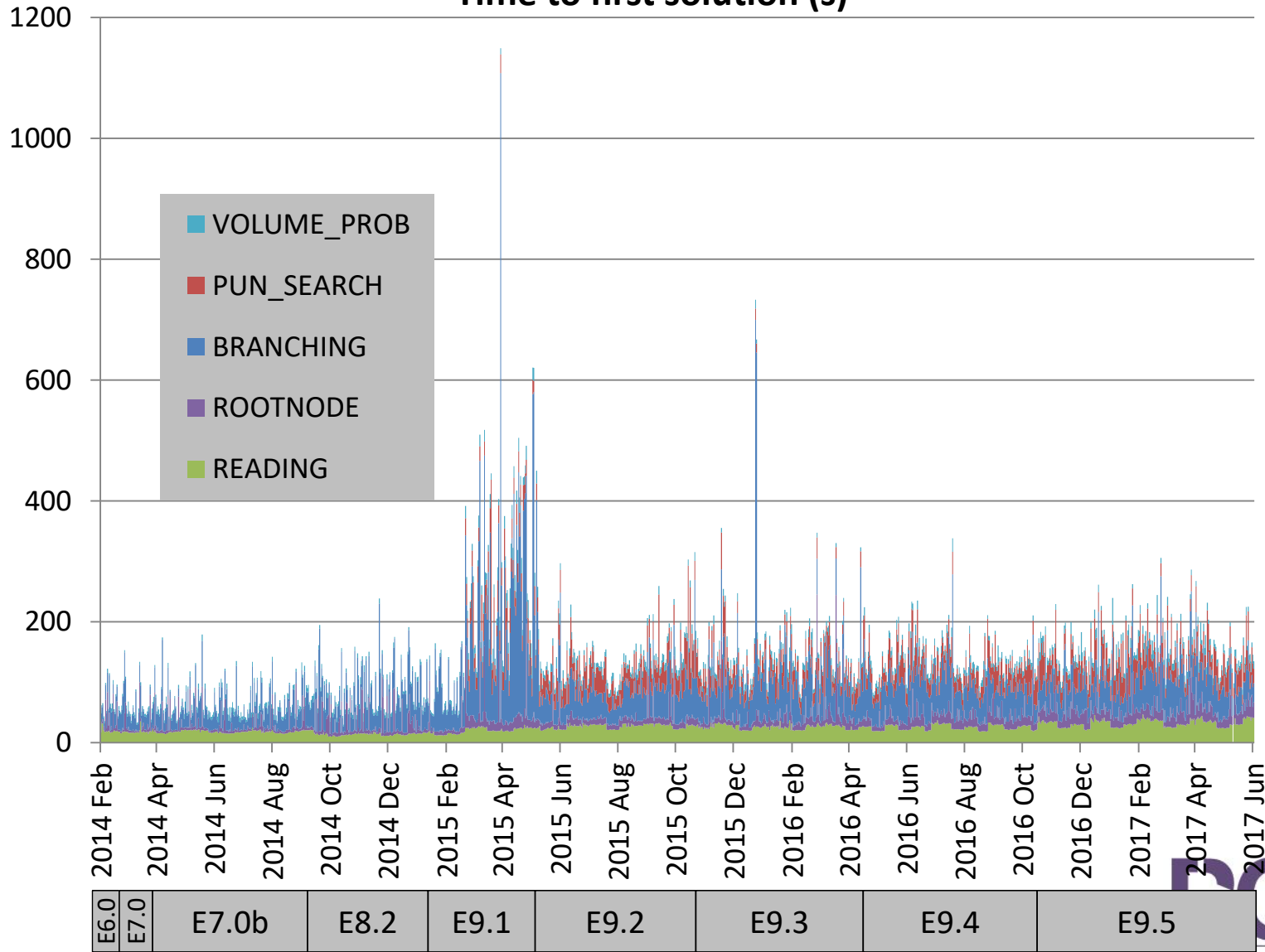
Number of PUN/Merit Orders



Statistics - PCR Algorithmic Performance

PCR algorithm performance update – Time to first solution (s) on MRC scope

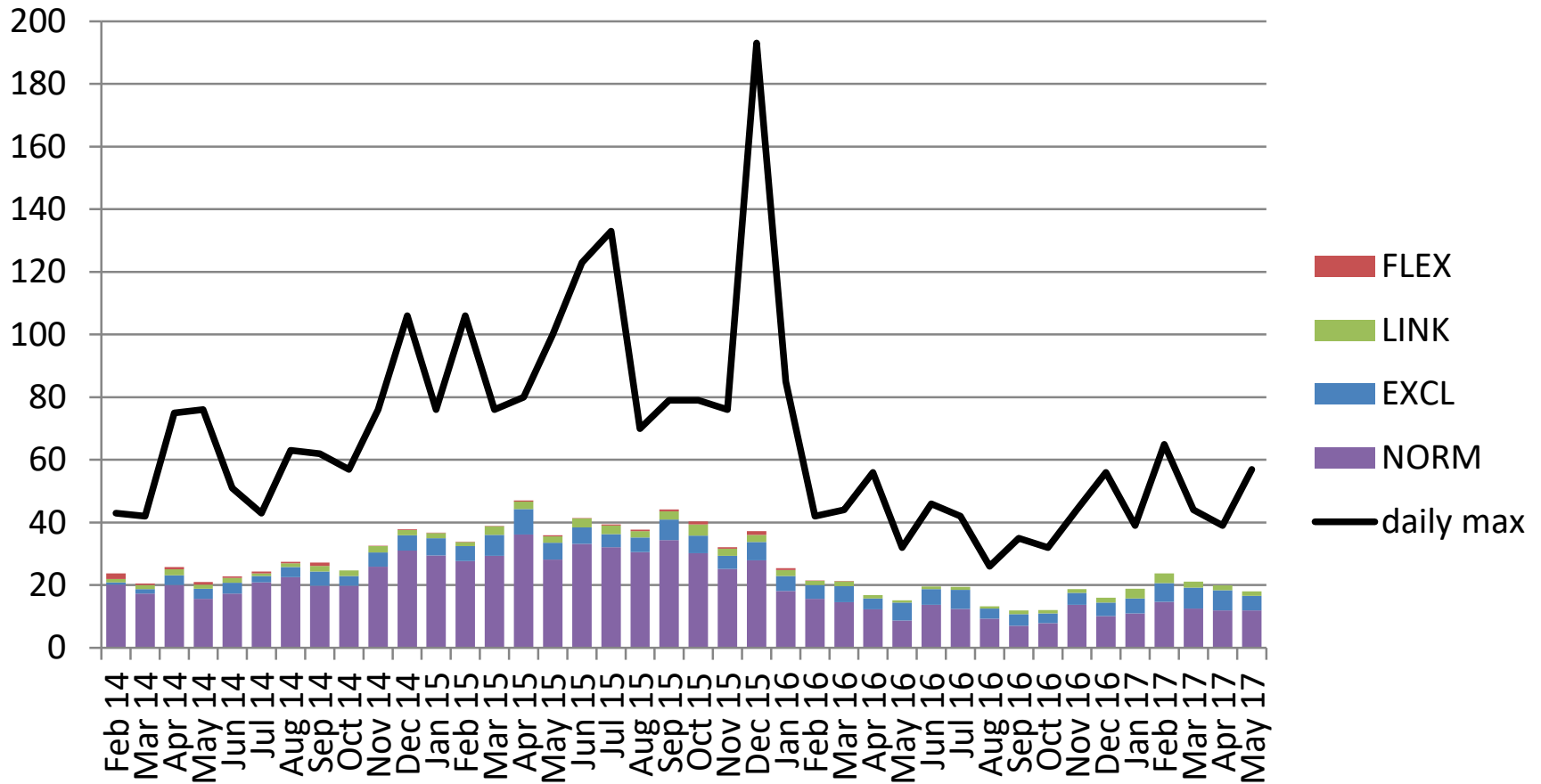
Time to first solution (s)



Statistics - PCR Algorithmic Performance

PCR algorithm performance update – Number of PRBs on MRC scope

Daily average number of PRBs

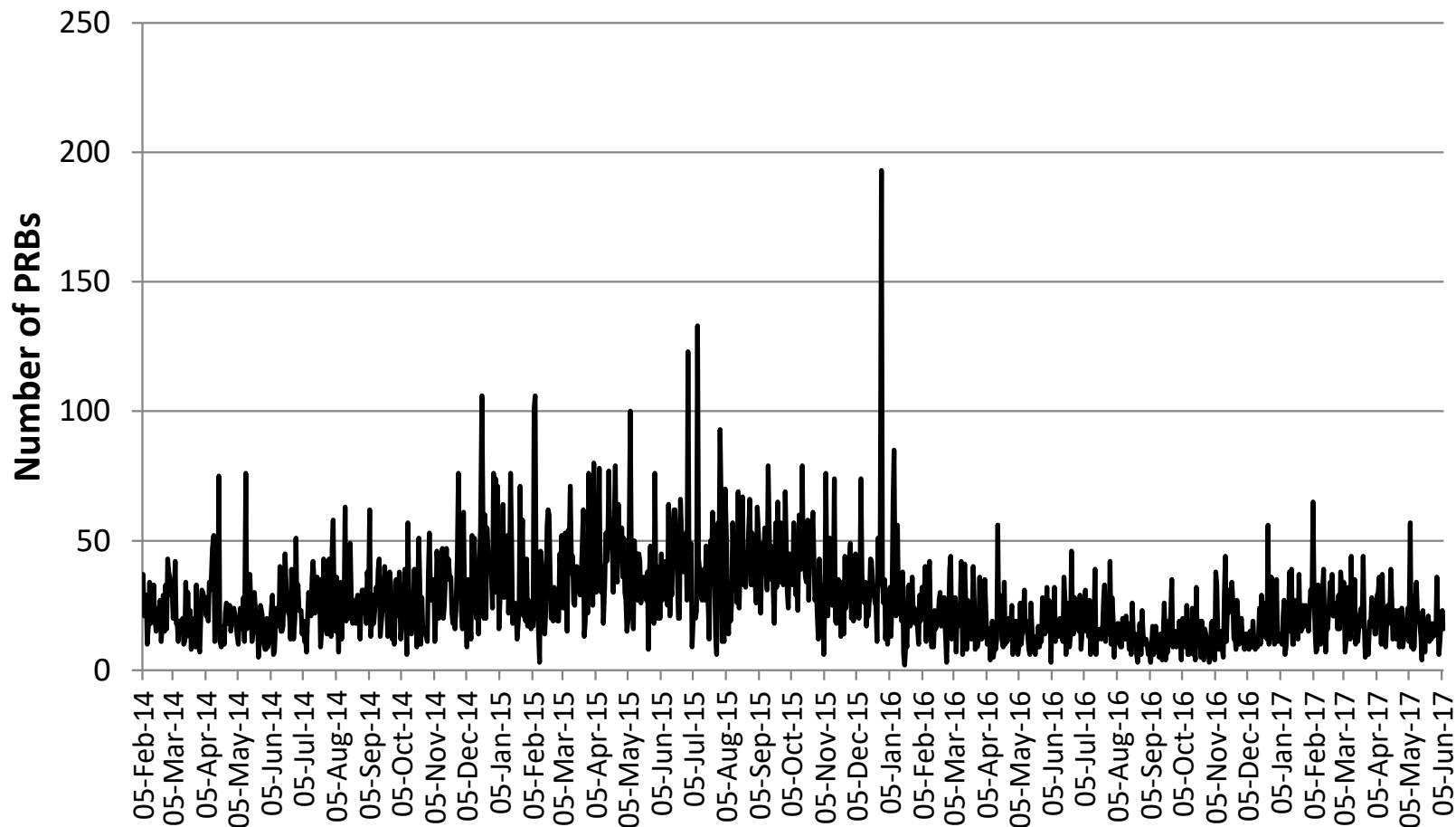


E6.0	E7.0	E7.0b	E8.2	E9.1	E9.2	E9.3	E9.4	E9.5
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Statistics - PCR Algorithmic Performance

PCR algorithm performance update – Number of PRBs (on MRC scope)

Number of PRBs

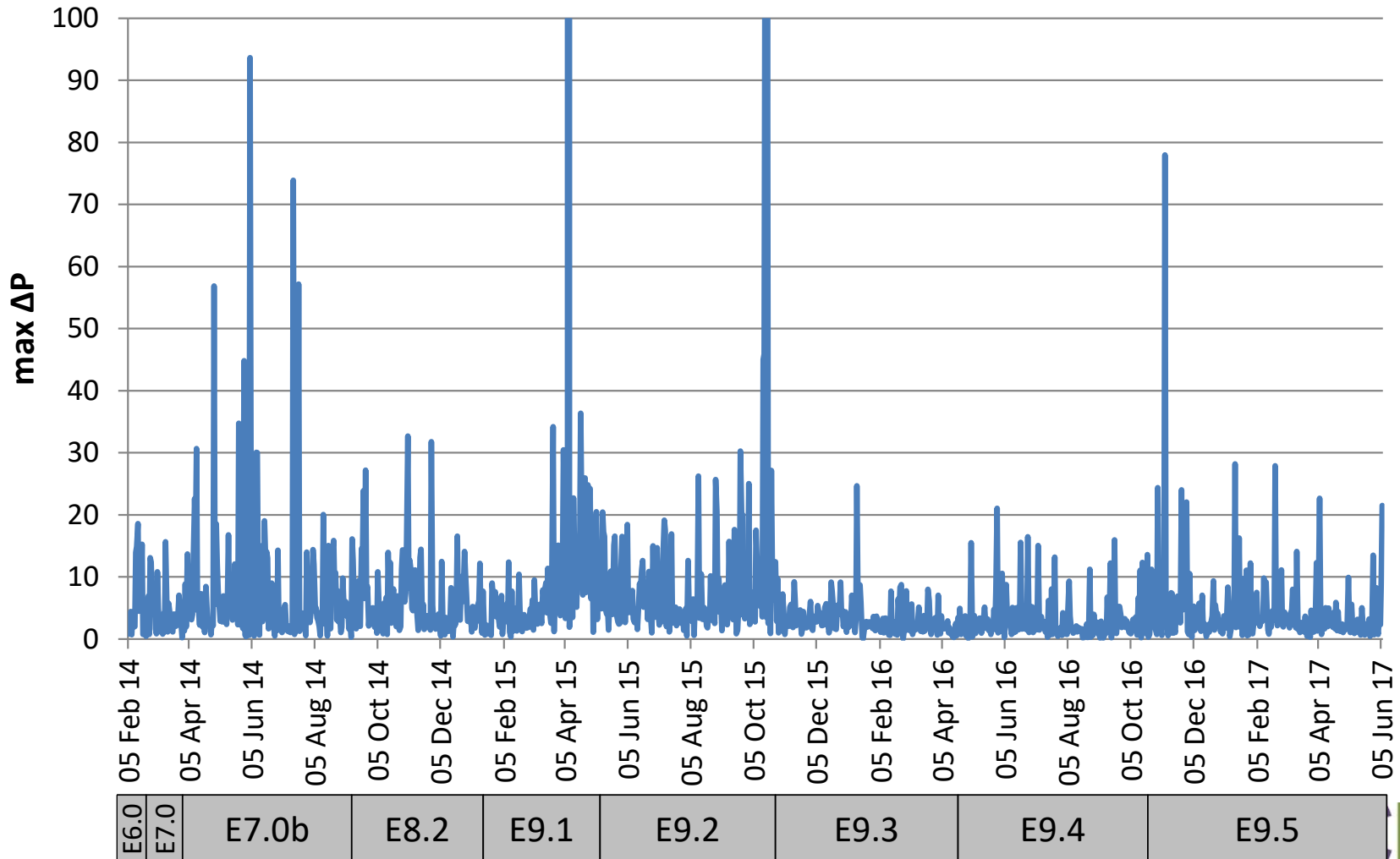


E6.0	E7.0	E7.0b	E8.2	E9.1	E9.2	E9.3	E9.4	E9.5
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Statistics - PCR Algorithmic Performance

PCR algorithm performance update – Max ΔP (on MRC scope)

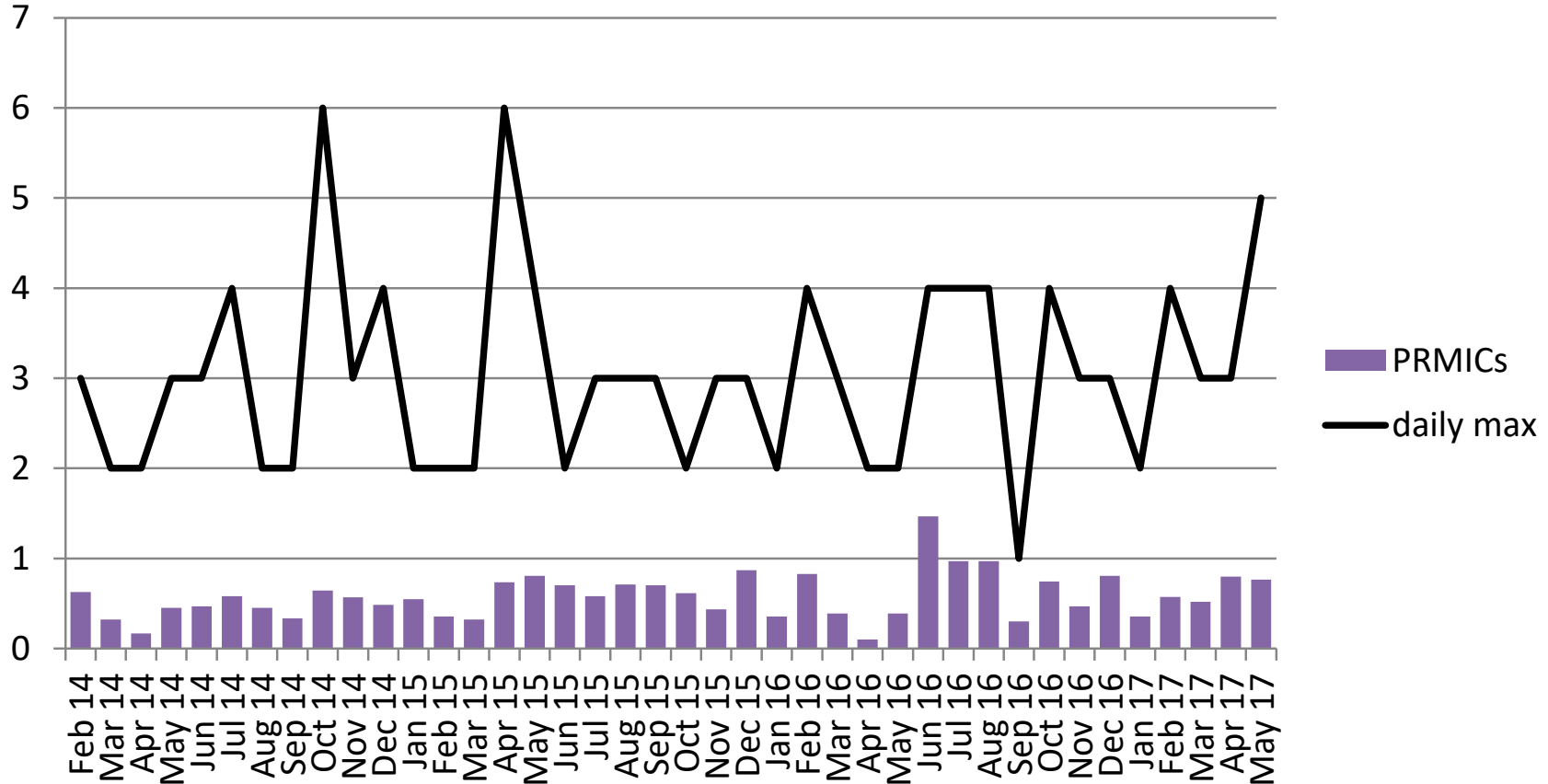
max ΔP



Statistics - PCR Algorithmic Performance

PCR algorithm performance update – PRMICs (on MRC scope)

Daily average number of PRMICs

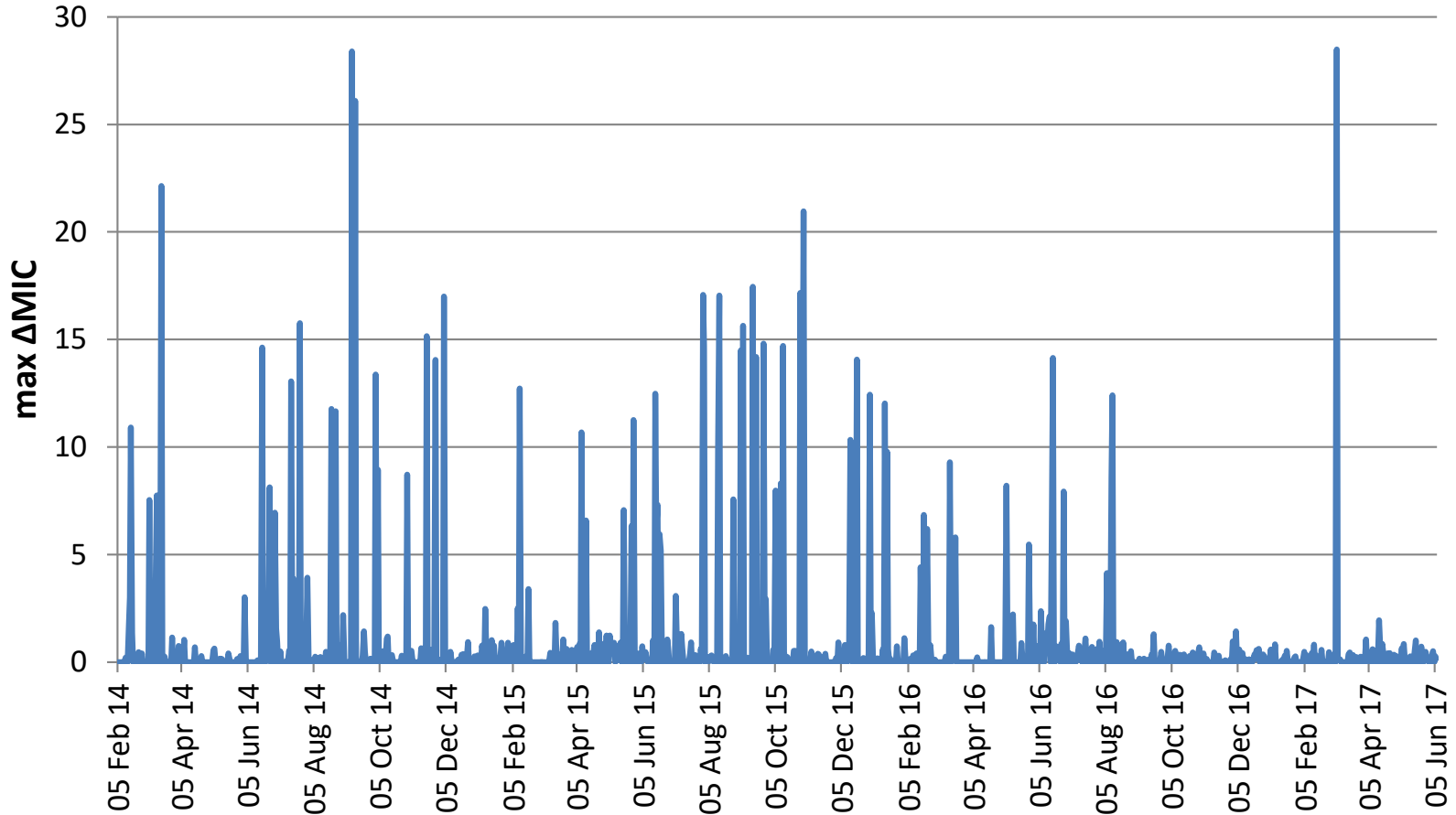


E6.0	E7.0	E7.0b	E8.2	E9.1	E9.2	E9.3	E9.4	E9.5
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Statistics - PCR Algorithmic Performance

PCR algorithm performance update – Max Δ MIC (on MRC scope)

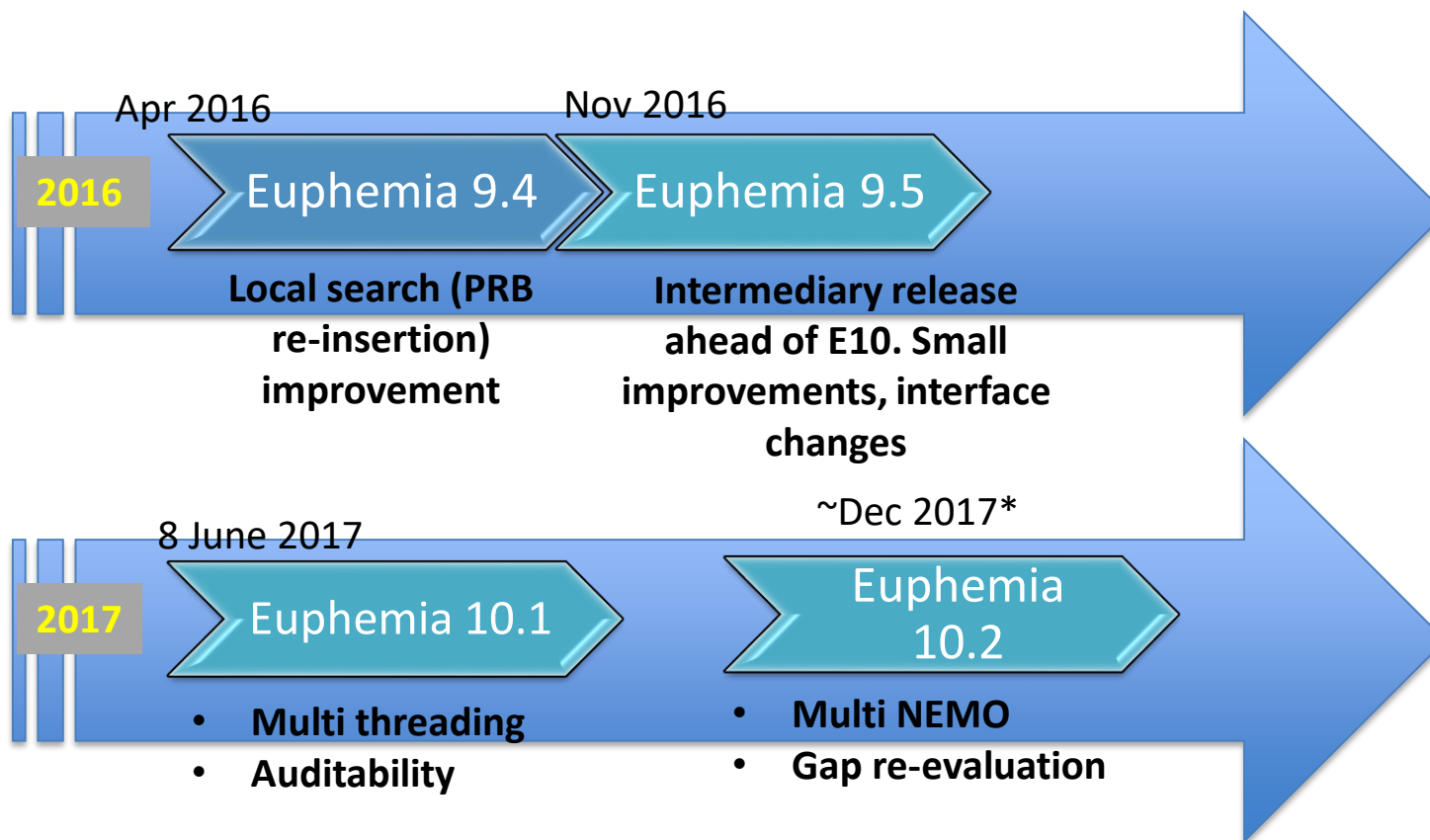
max Δ MIC



E6.0	E7.0	E7.0b	E8.2	E9.1	E9.2	E9.3	E9.4	E9.5
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Euphemia – Release Plan

- In order to cope with the expanding perimeter and the increasing number and complexities of the products that are used, significant performance improvements have been and are continued to be implemented within Euphemia.



*Tentative: MNA requirements still being finalized between TSOs, NEMOs and individual MNA implementation projects

PCR status – Algorithm working group

E10.1 go-live, first delivery day 7 June

- Supports multi threading architecture
- Implements auditability requirement

MNA requirements being finalized in dedicated group between NEMOs, TSOs and MNA implementation projects

- Support for multiple NEMOs
- multi NEMO flow calculation

II. System Upgrades

General PCR status linked to system upgrades

New PMB release version 10 – design phase on-going

- Fixing a few minor bugs
- Improving the system through a few minor CR:s (ideas from operators)
- Main changes needed because of the MNA are still being defined, and the SDWG has suggested to split the release into two phases, in order for the system provider to be able to start the implementation work while the design work is still being finalized.
- Expected go-live in Q1-Q2 2018. The prolonged design phase puts a strain on the schedule. The deadline for the providers to start the development is July 1st, 2017.

Elements still under discussion for the MNA change :

- Inter- Nemo flow calculation (when and how)
- Decoupling scenarios
- Multiple scheduling areas within one bidding zone

Inputs from MNA projects and TSOs are needed ASAP

III. Extensions of Members / Geographic Use of PCR Assets

New PCR Full Members

(i.e. Adherences to PCR Agreements)

- 26.10.2015 Polish PX TGE
- 30.10.2015 Romanian PX OPCOM
- Total PCR Full Members: 7 contributing (paying and voting) Parties from 1st of February 2016

New PCR Associate Members

(i.e. «Viewers» -> required signature individual NDA-Confidentiality Declaration)

- 26.07.2015 Croatian PX CROPEX, with market launch on the 10.02.2016*
- 12.10.2015 Bulgarian PX IBEX, go live – inclusion in PCR on the 19.01.2016*
- The Serbian PX SEEPX is presently completing its associate membership

*Both IBEX and CROPEX join the MRC process as PCR Serviced PXs by Nord Pool

Recent extensions of the geographic use of PCR assets

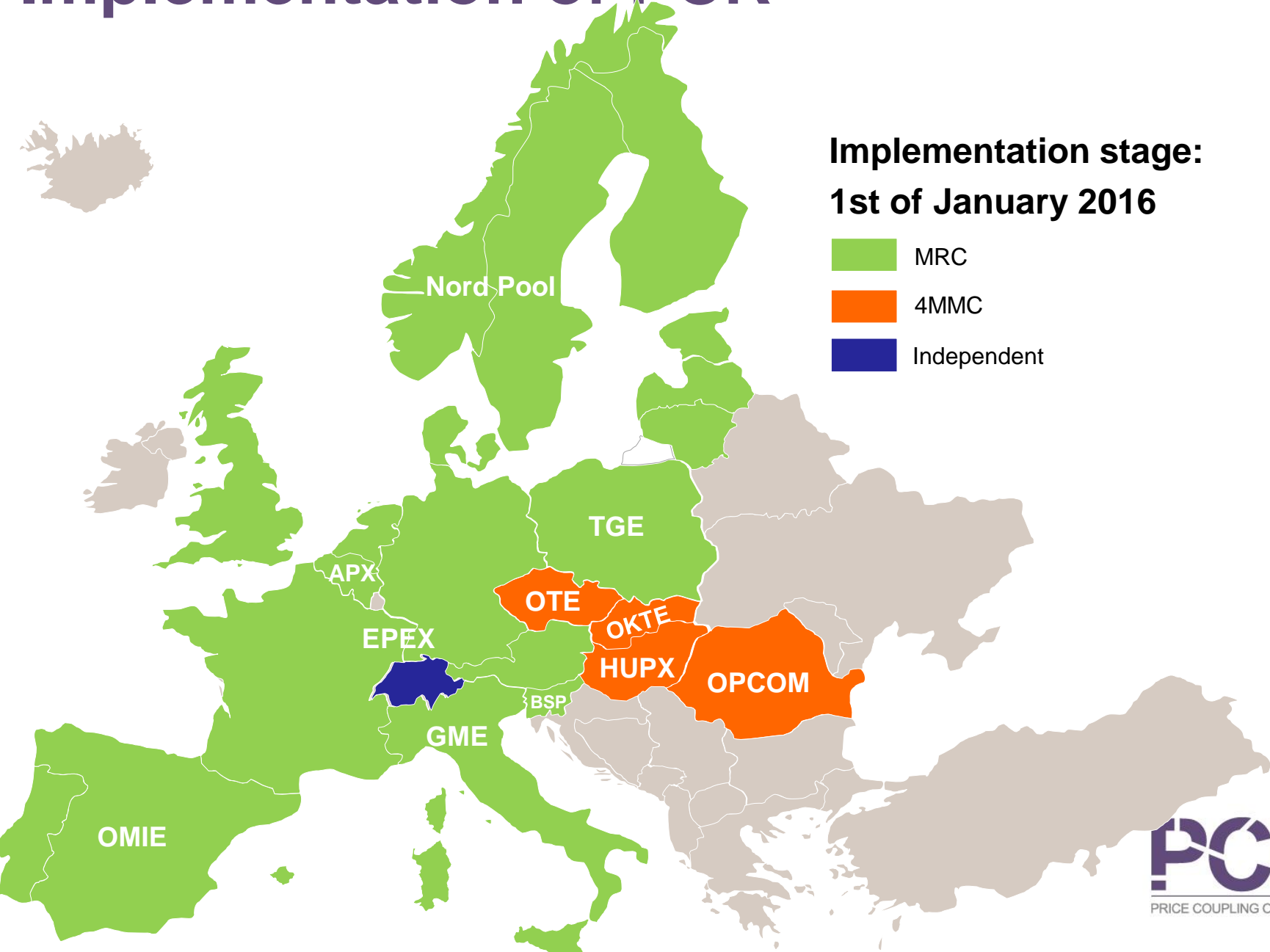
(i.e. New «serviced PX» -> required signature of the Multilateral Liability Agreement-MLA)

- 02.12.2015 Croatian PX CROPEX
- 03.12.2015 Bulgarian PX IBEX
- The Serbian PX SEEPX (only EUPHEMIA to be used) is presently completing the adherence to the MLA

Implementation of PCR

Implementation stage:
1st of January 2016

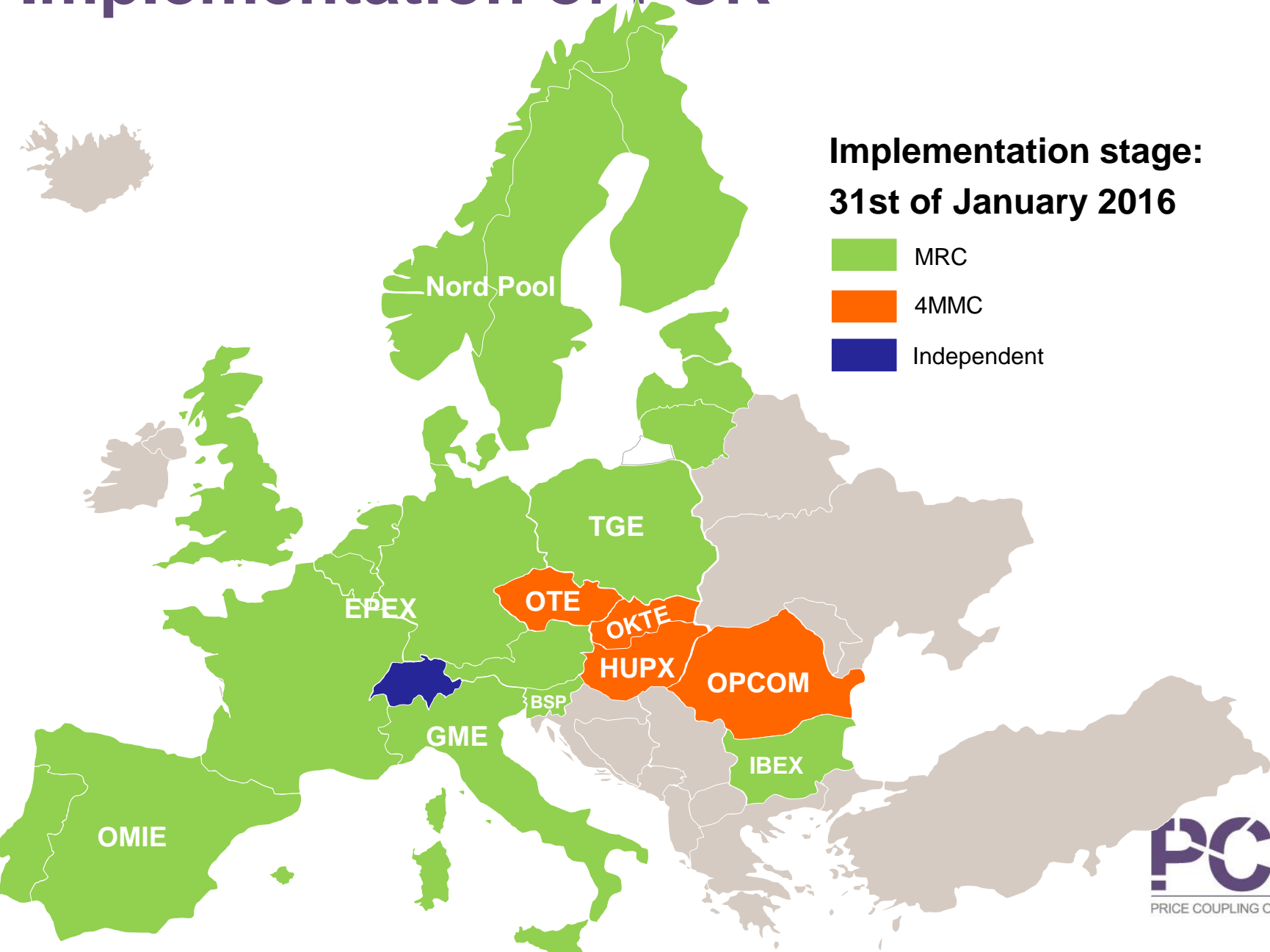
- MRC
- 4MMC
- Independent



Implementation of PCR

Implementation stage:
31st of January 2016

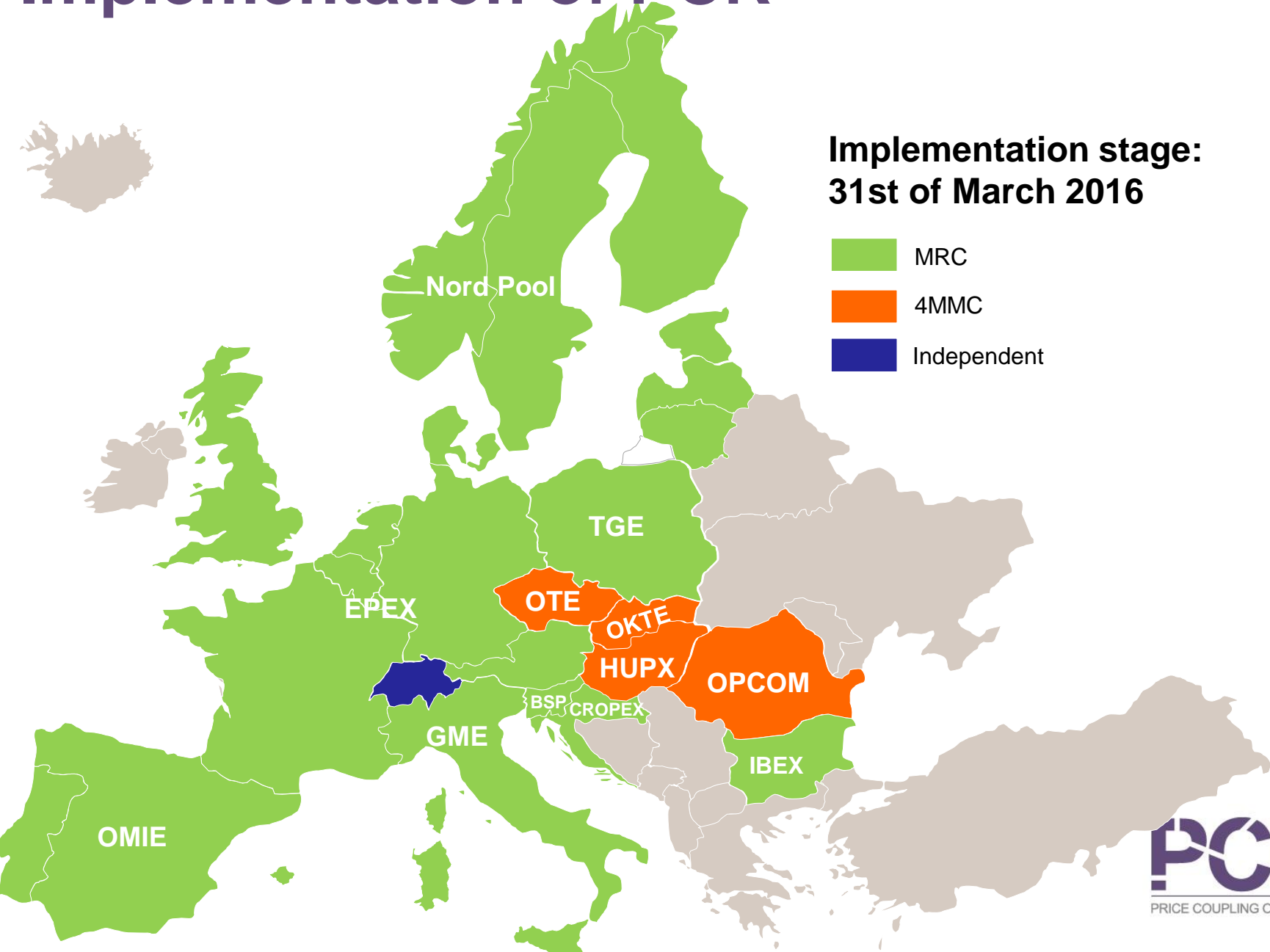
- MRC
- 4MMC
- Independent



Implementation of PCR

Implementation stage:
31st of March 2016

- MRC
- 4MMC
- Independent

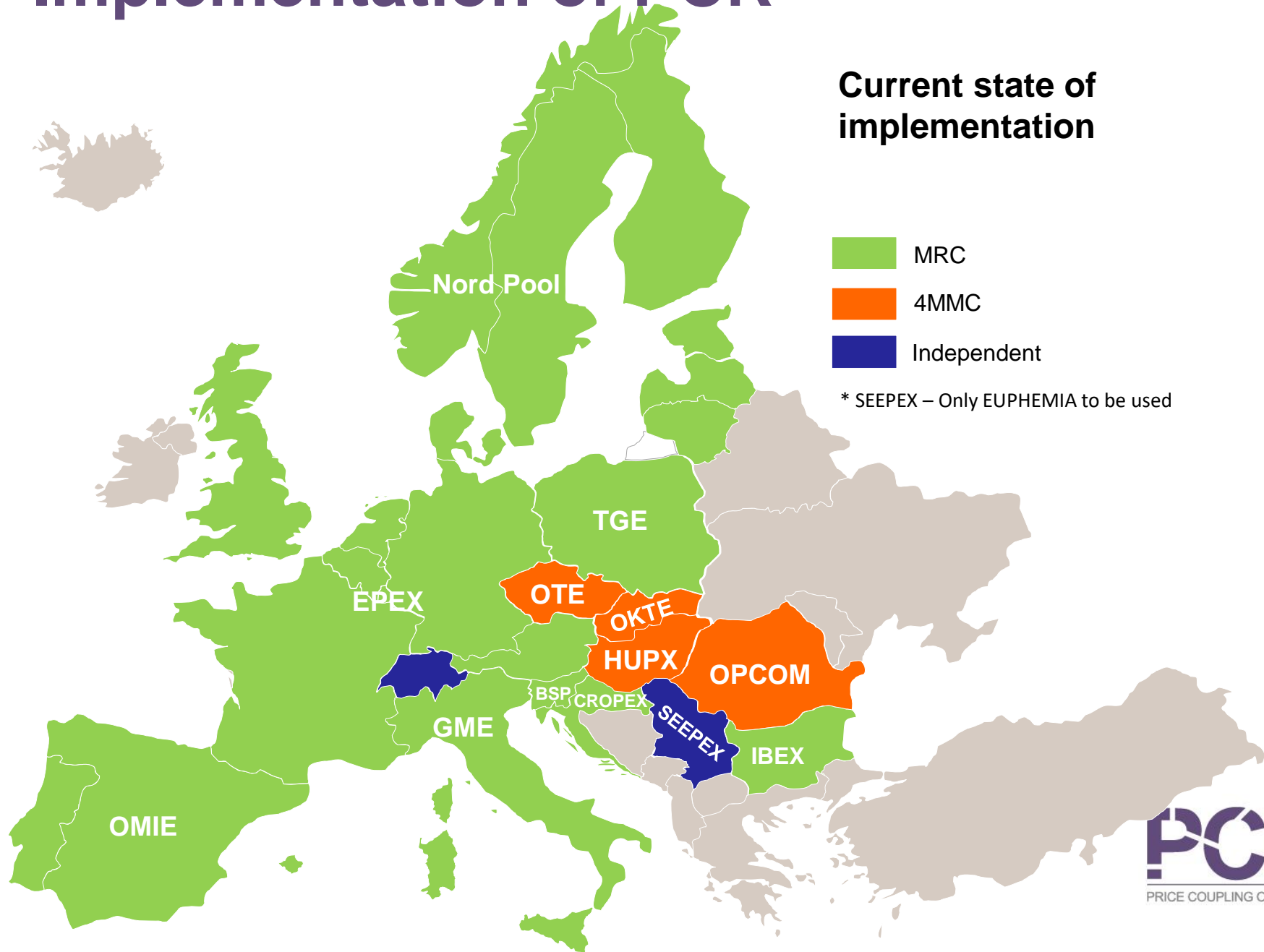


Implementation of PCR

Current state of implementation

- MRC
- 4MMC
- Independent

* SEEPEX – Only EUPHEMIA to be used



Thank you!