



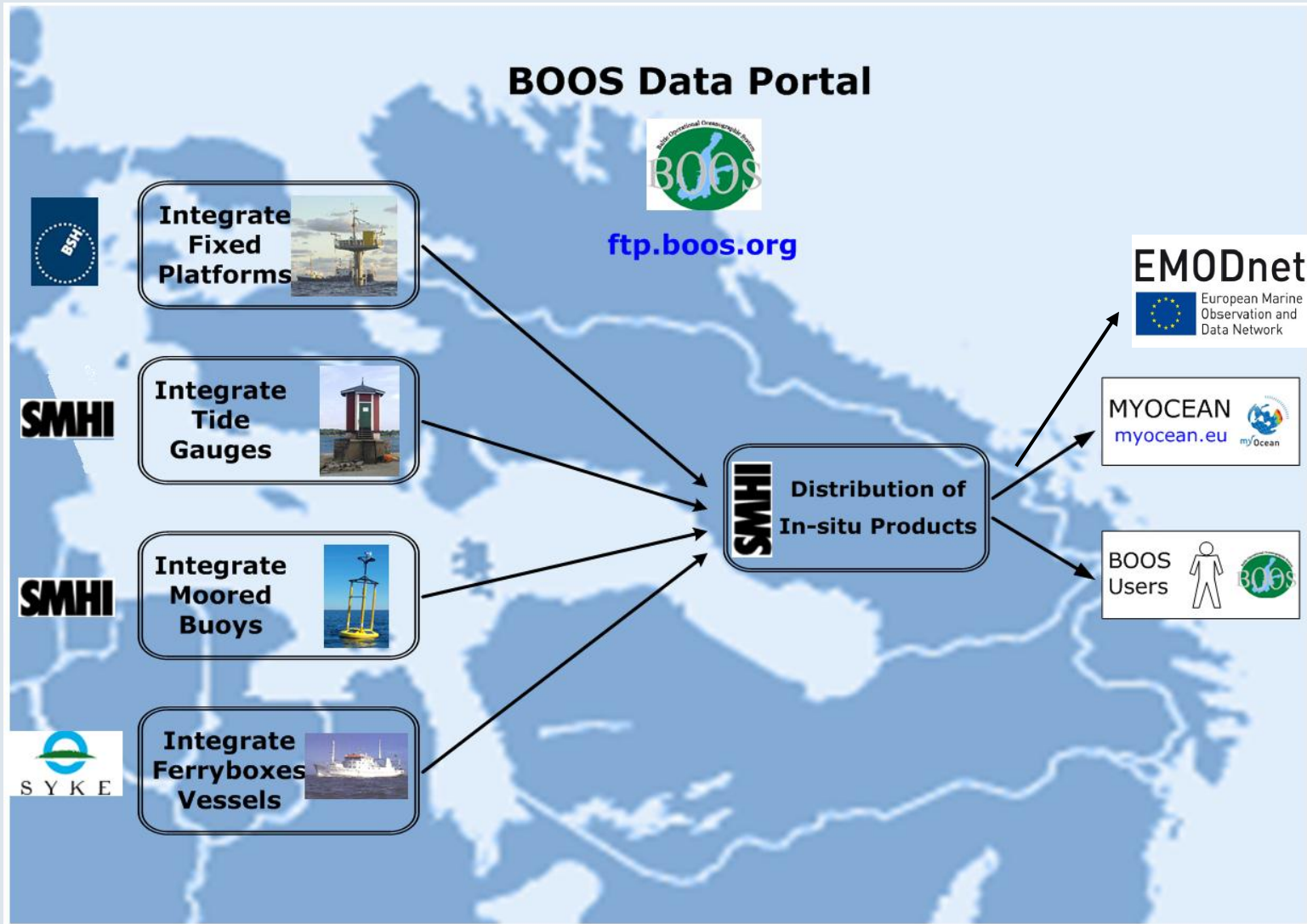
BOOS

Integration of historical products

2012-09-16

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Existing data portal



Actions historical products MyOcean II

In addition to what is already existing today, we will integrate delayed mode data sets as historical products for MyOcean and BOOS users to the existing structure in the BOOS Data Portal

The following actions will be carried out:

- Set up real-time and delayed mode distribution of CTD profiles from ~40 fixed stations monitored monthly by SMHI

Temperature, salinity, oxygen, chlorophyll, sound velocity ...

Data will be RTQC and available in near real-time under the latest and monthly/vessel directories in the BOOS Data Portal

Latest and monthly indexfiles will be generated

Ready October 2012

Folders/files **marked in red** in slide #7 (existing portal structure) will be effected by these actions

Actions historical products MyOcean II

- Upload of delayed mode data from all RT reporting stations (if possible, 1990-until now) to the history/mooring and history/vessel directories in the BOOS Data Portal

One file per station covering the whole time period

Validation of the data will be performed quarterly

An history indexfile will be generated

Ready December 2012

- Develop routines how to validate long time series

The long term validation of historical data will be done on a yearly basis

Screening procedures

Comparison to available climatology

QCed data coming from the NODCs will not be validated

Start December 2012

What historical data will be available?

- Available from **December 2012**

Data set	Time period	# of stations	Provider	Comment
Swedish TS data	1990-2012	100	SMHI	QCed data from NODC
German TS data	1990-2012	~20	BSH	“
Finnish TS data	1990-2012	10	SYKE	“
Swedish buoy data	2001-2012	8	SMHI	“
German buoy data	1985-2012	7	BSH	“
Danish buoy data	2001-2012	3	DMI	Aggregated data
Finnish buoy data	2005-2012	1	FMI	collected in NRT
Swedish sea level	1990-2012	23	SMHI	QCed data from NODC
Danish sea level	1990-2012	30	DMI	“
Sea level/other countries	2005-2012	40	BSH, IMWM, CMR, LEGMA, MSI, FMI, MSI, NWAHEM	Aggregated data collected in NRT
Swedish Ferrybox data	2009-2012	2	SMHI	QCed data from NODC
Finnish Ferrybox data	2005-2008	1-2	SYKE	“ (only water samples)
Finnish Ferrybox data	2009-2012	2	SYKE/MSI	Aggregated data collected in NRT

What historical data will not be available?

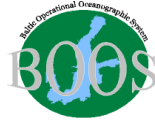
- Will not be available from **December 2012**

Data set	Time period	Number of stations	Provider	Comment
Danish TS data	1990-2012	20	DMU	Lot of manual work
Russian TS data	1990-2012	20	RSHU	No access to data
Sealevel/other countries	1990-2004	40	BSH, IMWM, CMR, LEGMA, MSI, FMI, NWAHEM	No access to historical data
Buoy data/other countries	1990-2004	5	MSI, FMI	“

Danish and Russian TS data are available from SeaDataNet

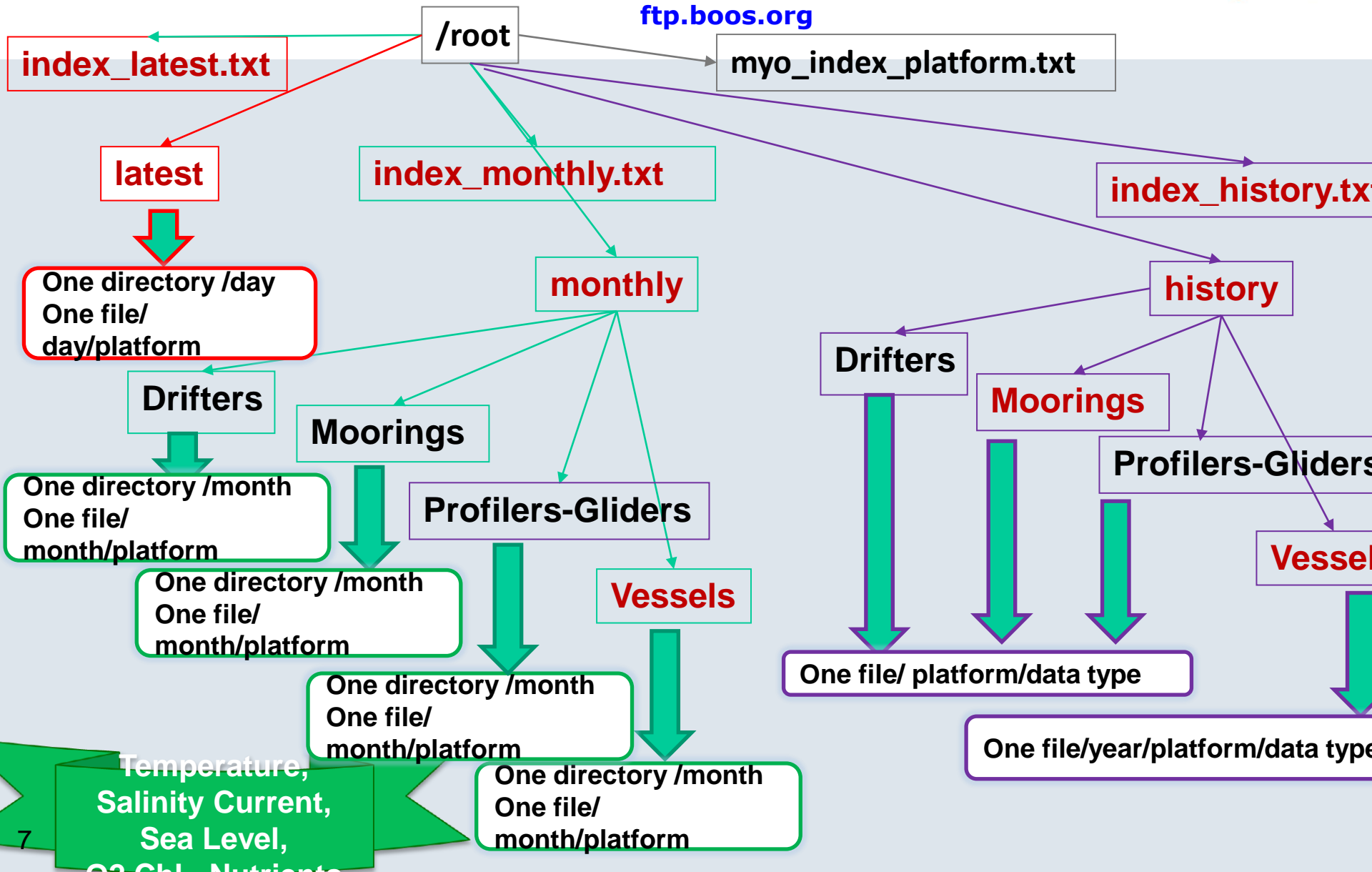
Sea level and buoy data are not available from SeaDataNet, we need to go directly to the NODCs

BOOS Data Portal

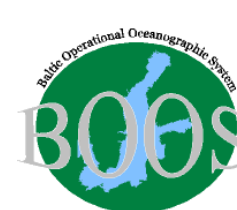


Existing portal structure

ftp.boos.org



BOOS Data Portal



NEW BOOS Data Portal

<ftp.boos.org>

One-stop-shop for **real-time** oceanographic data in the Baltic Sea

The portal will also contain delayed mode / historical data from 1990-



10 Fixed Platforms (FP)



100 Tide Gauges (TG)

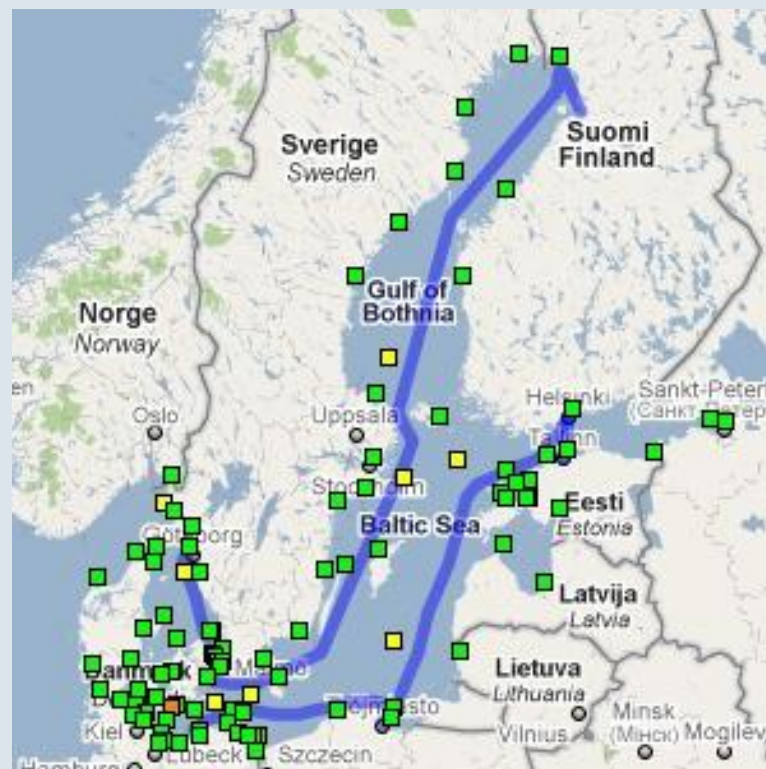


10 Moored Buoys (MB)



3 Ferry-Box-lines (FB)

NEW! ~100 Monitoring stations (CT)



[BOOS Station Network in Google map](#)

Schematic data flow

