

Minutes

Agenda

The only point on the agenda was “changes in ARPEGE LBC production”.

Participants

ALGERIA	Mohamed Mokhtari, Ambar Abdenour
AUSTRIA	Florian Weidle
BELGIUM	Alex Deckmyn
BULGARIA	Boryana Tsenova, Milen Tsankov
CZECH REP	Radmila Brožková, Antonin Bucanek, Petr Janecek
FRANCE	Ghislain Faure, Eric Escalière, Alexandre Mary, Florian Suzat
HUNGARY	Gabriella Szépszó, Balazs Szintai
MOROCCO	Siham Sbi, Marass Najla, Mohamed Jidane
POLAND	Bogdan Bochenek
PORTUGAL	Maria Monteiro, Ricardo Ramos
SLOVAKIA	Martin Bellus
SLOVENIA	Neva Pristov
SPAIN	Pau Escriba
TUNISIA	Haythem Belghrissi
TURKEY	Yelis Cengiz

PM: Claude Fischer, CNA: Maria Derkova (Mariska), CSS: Patricia Pottier

Introduction

Mariska recalled the sole purpose of this meeting: the changes in the Arpege LBC files provision from Meteo-France. Mariska welcomed the LTMs and their advisers/experts (colleagues who have experience in dealing with the LBC data, e.g. their download including the operational scripts, local data flow etc, and are competent to discuss technical details of the implied changes in the LBC files handling had been invited to join)..

Apart from updates on general information, the meeting was devoted to the description of the technical details of the new production and was followed by a discussion on the implied changes in Partners operations.

ARPEGE LBC production changes

General information

Ghislain recalled the long story of ARPEGE LBC production (back to 1996 and the first pre-operational configurations), based on a gentlemen's agreement in operations. In 2022, MF/IT team needs a formal agreement, per domain or per NMS, between directors, to be signed before the end of the year (the agreement between MH and SMHI, on behalf of MetCoOp was already signed as MetCoOp asked for a new ARPEGE LBC production).

Ghislain also pointed out that the general announcements and production delays of LBC suite are announced on operala@meteo.fr mailing list and invited the LTMs to check their subscription (the current content of operala is available [on ALADIN website](#)). If needed, don't hesitate to subscribe/unsubscribe to/from operala (how to do so is explained [on the ACCORD website](#), contact Patricia in case of specific requests).

Changes in June-September 2022: new procedure to access LBC files

Ghislain announced the upcoming changes:

- Switch of e-suite cy46t1: on the 29th of June, with no change of LBC production (except the production of LBC for the new domain "scandinavia", that will get an operational status). The LBC files remains available through IAA(kalimba*) as usual, but also since the 29th of June on a new ftp site: <ftp-pro.meteo.fr>. This new ftp site offers:
 - operational service with 7/24 support,
 - need for IP addresses and RSA keys for each country (up to 2 IPs) => to be sent to eric.escaliere@meteo.fr and ghislain.faure@meteo.fr
 - LBC files available 1 day on ftp-pro, 2 months on hendrix (same as currently)
 - the path on hendrix to retrieve LBC files is the same for all partners (for instance on 29 June 2022: `~mxpt001/vortex/fullpos/partners/OPER/2022/06/29/T1800P/4dvarfr`)
- IAA (kalimba*) will be shut down by October, thus Partners should update their retrieval scripts
 - Partners will no longer need to apply for BDPE-IA access each year (no need for access to MF internal network, but need for fixed IPs and RSA keys)
- For each ftp-pro account:
 - one agreement,
 - one or several domains,
 - one login/password (no update possible), several users with different IPs addresses,
 - `sftp login@ftp-pro.meteo.fr`
 - the table NMS/account/domain is available in Annex I.

Changes at the end of 2022 or at the beginning of 2023: upgrade of LBC

For the end of the year or at the beginning of 2023, Ghislain announced:

- more comprehensive outputs with:
 - Hourly outputs up to 102h lead time on the 4 "production" runs,
 - hourly up to 6h on the 4 "assim" runs;
- possibility for changes in domain geometry, if needed (in that case, the LTMs should seek for a technical agreement on MF operational side).

For new domains:

- Please use Climake tool for new domain generation and keep track of parameters used to create this domain (MF/IT team wants to be able to reproduce the domains if needed). More information on belenos : `//home/gmap/mrpa/suzat/SAVE/CLIMAKE/README;`

- For testing LBC on a new domain : a script for belenos (based on e903) will be provided (available in July-August)
- For initial testing/debugging: GMAP/COOPE will provide a LBC dataset over a one-month period for the new domains (all at once), for testing purposes before sending the new domains to operations

Questions by LTMs

Radmila: currently access to kalimba via rmdcn network, in the future, we will access the ftp site through the internet => IP address must be seen by internet. The Internet will be faster than rmdcn. Back-up solution ? LACE has a back-up solution to get the ARPEGE LBC through ECMWF.

Ghislain: the ageing of kalimba/IAA is responsible for many current issues; the ftp site offers a service very robust, no more backup at ECMWF. From Ulf experience, all LBC up to 102h were downloaded in less than 2 minutes.

Radmila: template for the agreement ?

Ghislain gives the digest of the formal agreement (the agreements will be distributed during summer):

- Commitments of MF :
 - MF provides for free deterministic Arpege LBC to ACCORD countries
 - LBC production is operational (24/7 monitoring)
 - hourly data up to 102h lead time (6h for delayed cutoff), upto 4 times a day
- Commitments of contractor :
 - don't sell Arpege data
 - need to acknowledge the source of data used
 - 4 year duration
- Other parts of the agreement : liability, upgrade of LBC data, description of domain(s) in appendix

Radmila asked how LACE will sign. Ghislain: 1 director for LACE, or all directors, to be agreed within LACE.

Radmila pointed out that the "afgt" domain is no longer used. Ghislain: will be removed at the end of the year.

Mohamed Jidane: possibility to have more than 2 IP addresses ? Ghislain, probably OK to have 3-4 (not for LACE who already have many users for the same domain).

Mohamed: LBC from ensembles ? Ghislain: to be asked officially by any Institute to MF, these LBCs would probably not be for free

Maria Monteiro: when should we send requests for LBC domain changes. The sooner, the better.

Haythem Belghrissi: welcomes the new proposal as the current situation is difficult, it will be much better via the internet. Can we produce 1 IP address but 2 RSA keys ? Probably yes.

Ghislain proposed the LTMs send their IP/RSA as soon as possible, including questions.

Can partners ask for upgrading LBC runs already now, with the autumn change ? => Ghislain confirms that any change in the LBC production will be only possible for the winter (no on-the-fly change possible)

Neva Pristov: will the files be available at the end of the suite or as soon as they are produced ?

Alexandre Mary: files are produced on-the-fly, not sure for the availability on the ftp server. It should be on-the-fly (as it is the case for Scandinavian LBC files today). It is important for Partners to have the files on the ftp server "on-fly", as it is the case on kalimba.

Actions

- Partners should send their proposals for IP addresses and RSA keys to Ghislain and Eric.
- Those who want to change something in the domains should contact Ghislain as soon as possible.
- MF to provide an example of e903 script on belenos
- Mariska to send Minutes to Martina => an Action on Martina: to contact LSC to agree whether only one Institute should sign the agreement for LACE or all LACE countries.
- Actions MF/Romania-Bulgaria: agree on who signs the agreement for SELAM, or both.
- Actions MF/Spain-Portugal: agree on who signs the agreement for the Iberia domain, or both.
- Actions on MF: to send the agreement papers to the partners (need to know who will sign for LACE, RO+BG, SP+POR).

Annex I: Table of NMSs/accounts/domains

NMS/Country	FTP-PRO account	Domains	
ONM/Algeria	lbc_algerie	<i>algerie</i>	
RMI/Belgium	lbc_belgique	<i>belgique</i>	
Meteo Romania/Roumania NIMH/Bulgaria	lbc_euro_se	<i>selam</i>	
AEMET/Spain IPMA/Portugal	lbc_euro_sw	<i>portugal</i>	<i>canaries</i>
CHMI/Czech Republic SHMU/Slovakia ZAMG/Austria ARSO/Slovenia OMSZ/Hungary DHMZ/Croatia	lbc_lace	<i>lace</i>	<i>afgt</i>
DGM/Morocco	lbc_maroc	<i>afnord</i>	<i>albachir</i>
IMGW-PIB/Poland	lbc_pologne	<i>pologne</i>	
INM/Tunisia	lbc_tunisie	<i>tunisie</i>	
TSMS/Turkey	lbc_turquie	<i>turquie</i>	
SMHI/Sweden for MetCoOp	suede	<i>scandinavia</i>	