



Overview of lead center progress

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The Challenge



What makes GRUAN successful?

- **Make a long term commitment**
- **Pay attention to the details**
- **Focus on the important issues that arise**

in memoriam David J. Hofmann (1937-2009)

The Challenge



**GRUAN will be the reference network for key parameters
water vapor, temperature,
and many other parameters**

but

**Reference instruments do not exist
to meet the need**

For listing of Action items refer to

GCOS 131: Report of ICM 1

GCOS 134: GRUAN implementation plan

Lead Center Progress Report

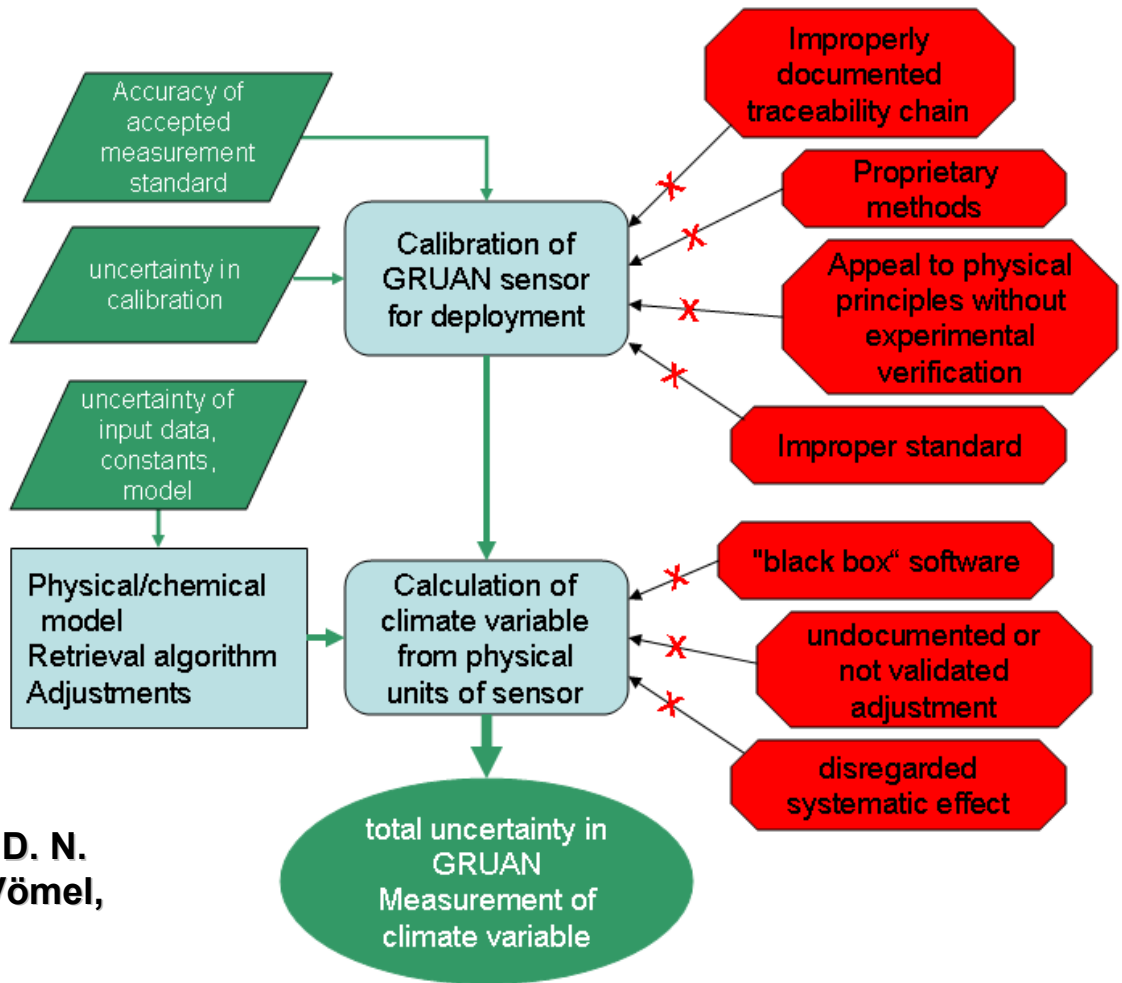
**Action item:
GRUAN definition and terminology for measurement
uncertainty and stability**

Reference measurement



- **Best estimate for the quantity to be measured, relating to a unit or standard**
- **Best estimate for the level of confidence for this measurement (i.e. uncertainty)**
- **Traceability requiring metadata and documentation**

Reference measurement



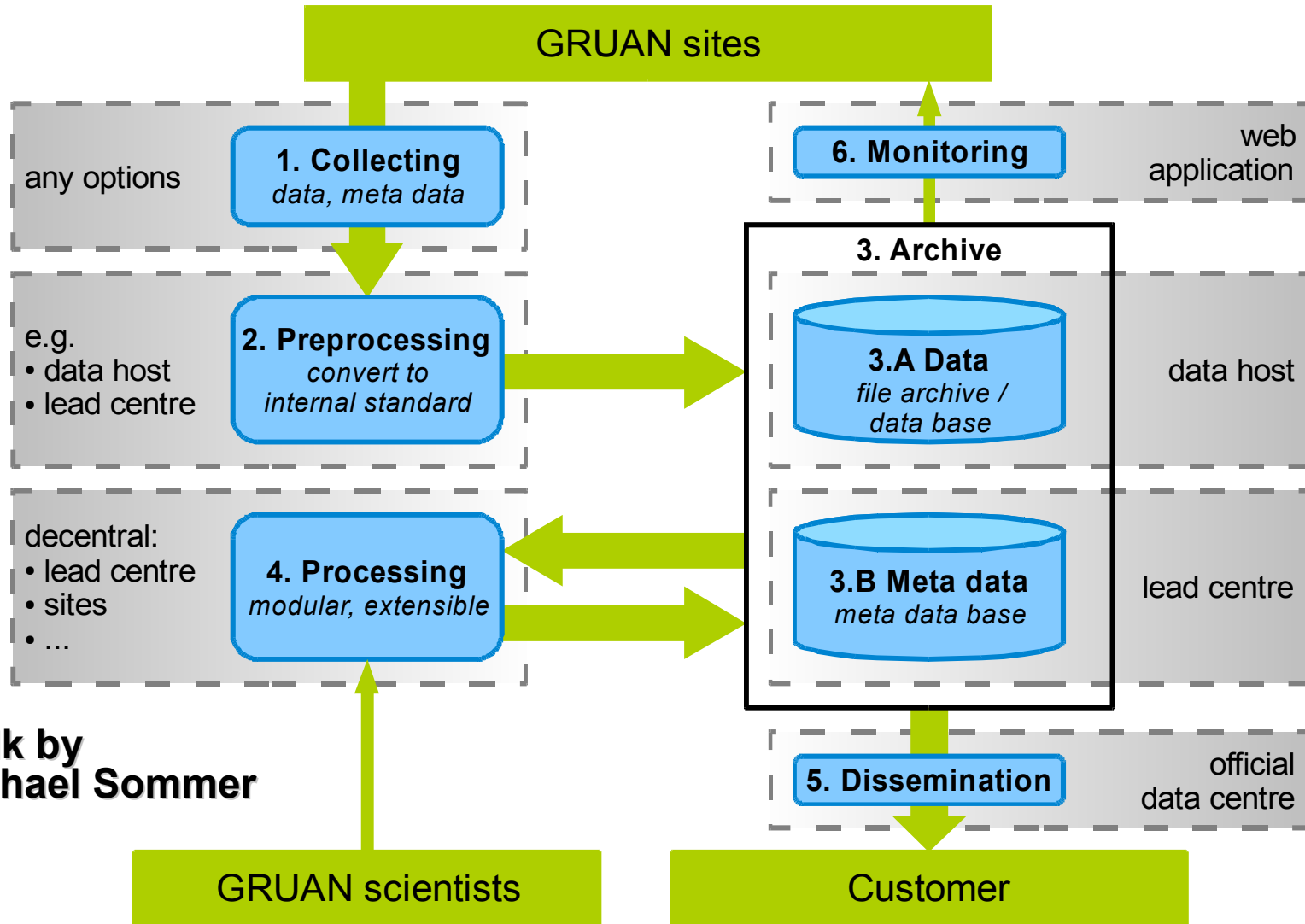
See talk by Franz Immler

From:

Immler, F. J., J. Dykema, T. Gardiner, D. N. Whiteman, P. W. Thorne, and H. Vömel, A guide for upper-air reference measurements, Atmos. Meas. Tech., submitted 2010.

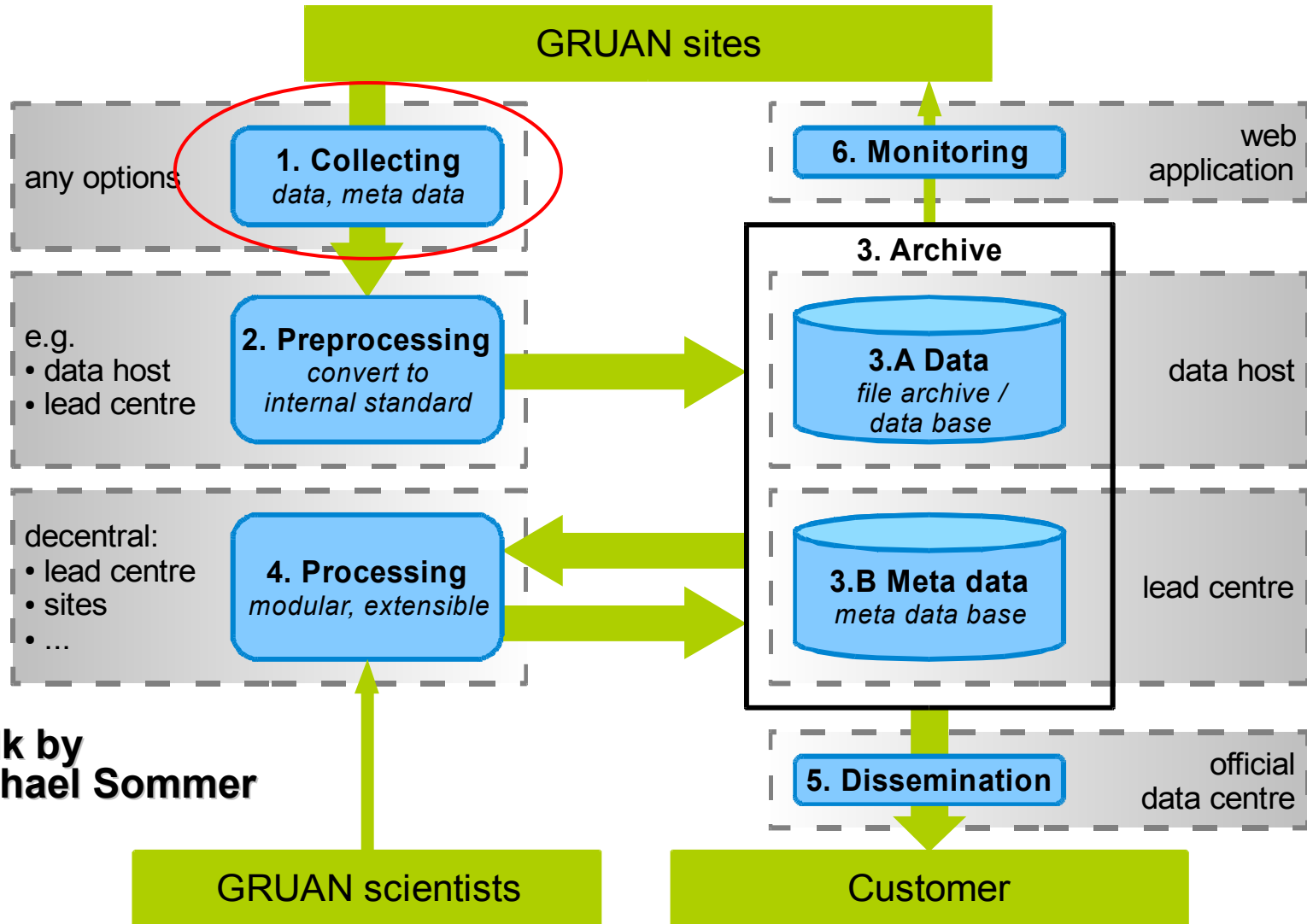
**Action items:
Data flow within GRUAN**

GRUAN data flow



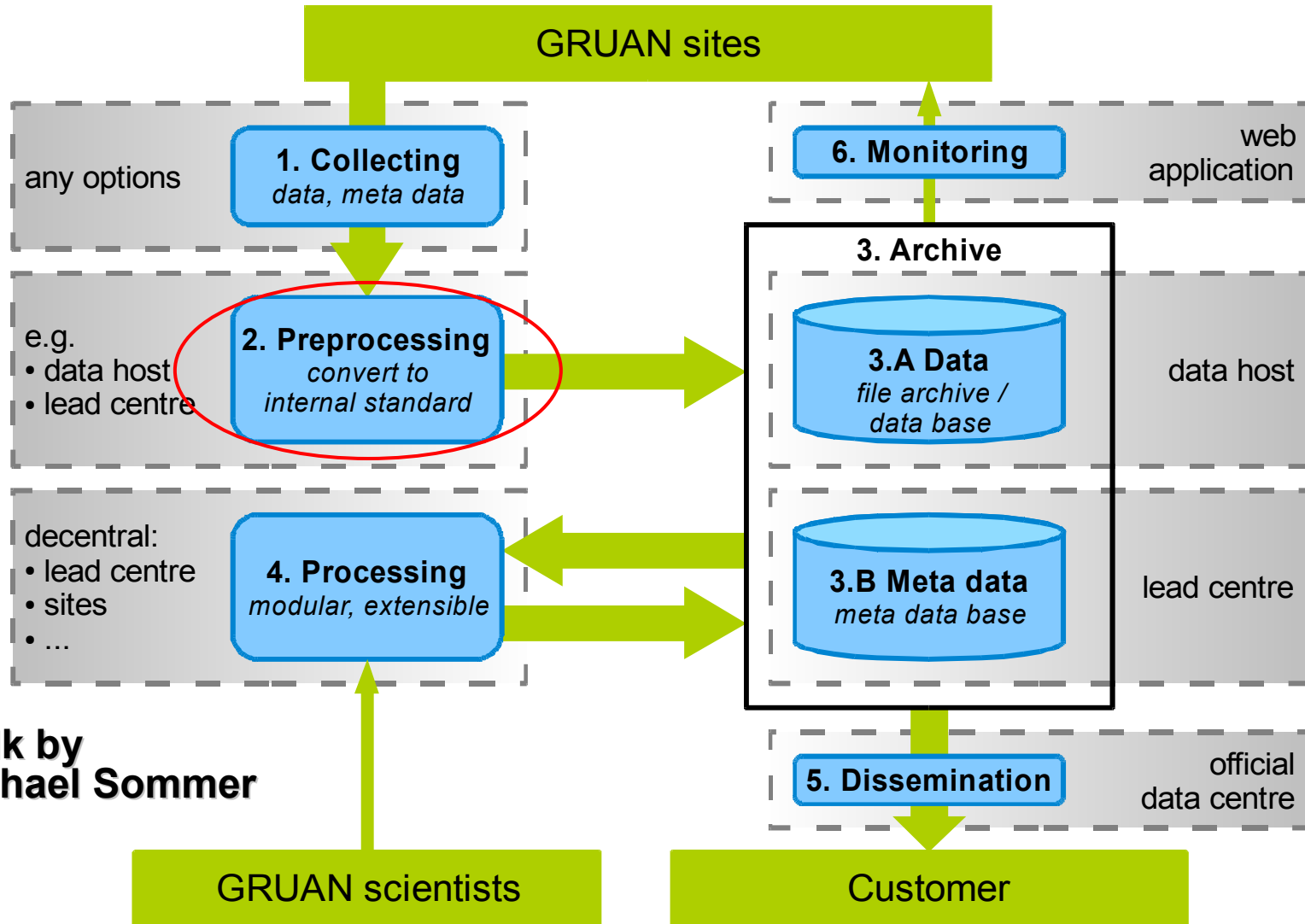
See talk by Michael Sommer

GRUAN data flow



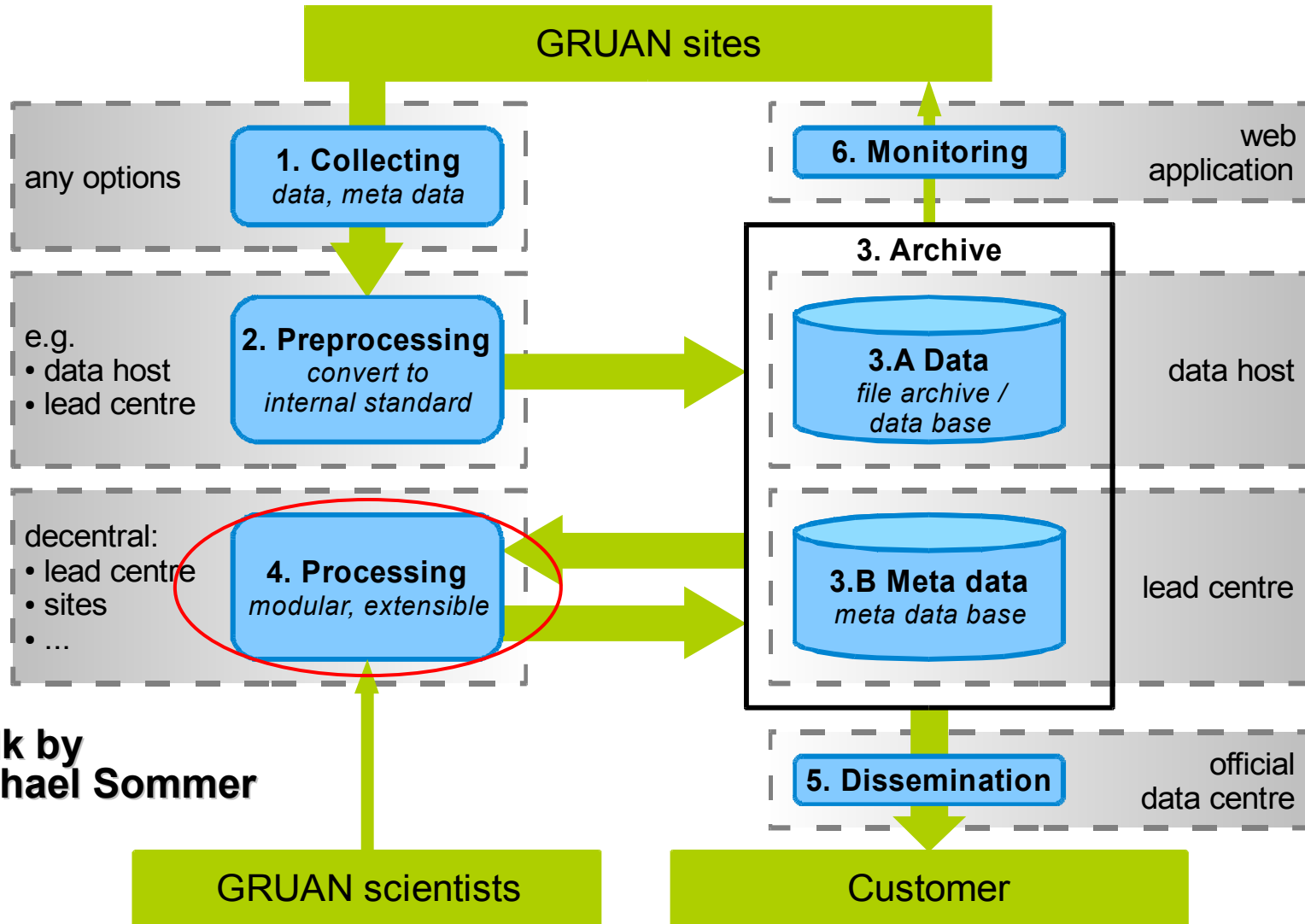
See talk by Michael Sommer

GRUAN data flow



See talk by Michael Sommer

GRUAN data flow






See talk by Michael Sommer

GRUAN data flow

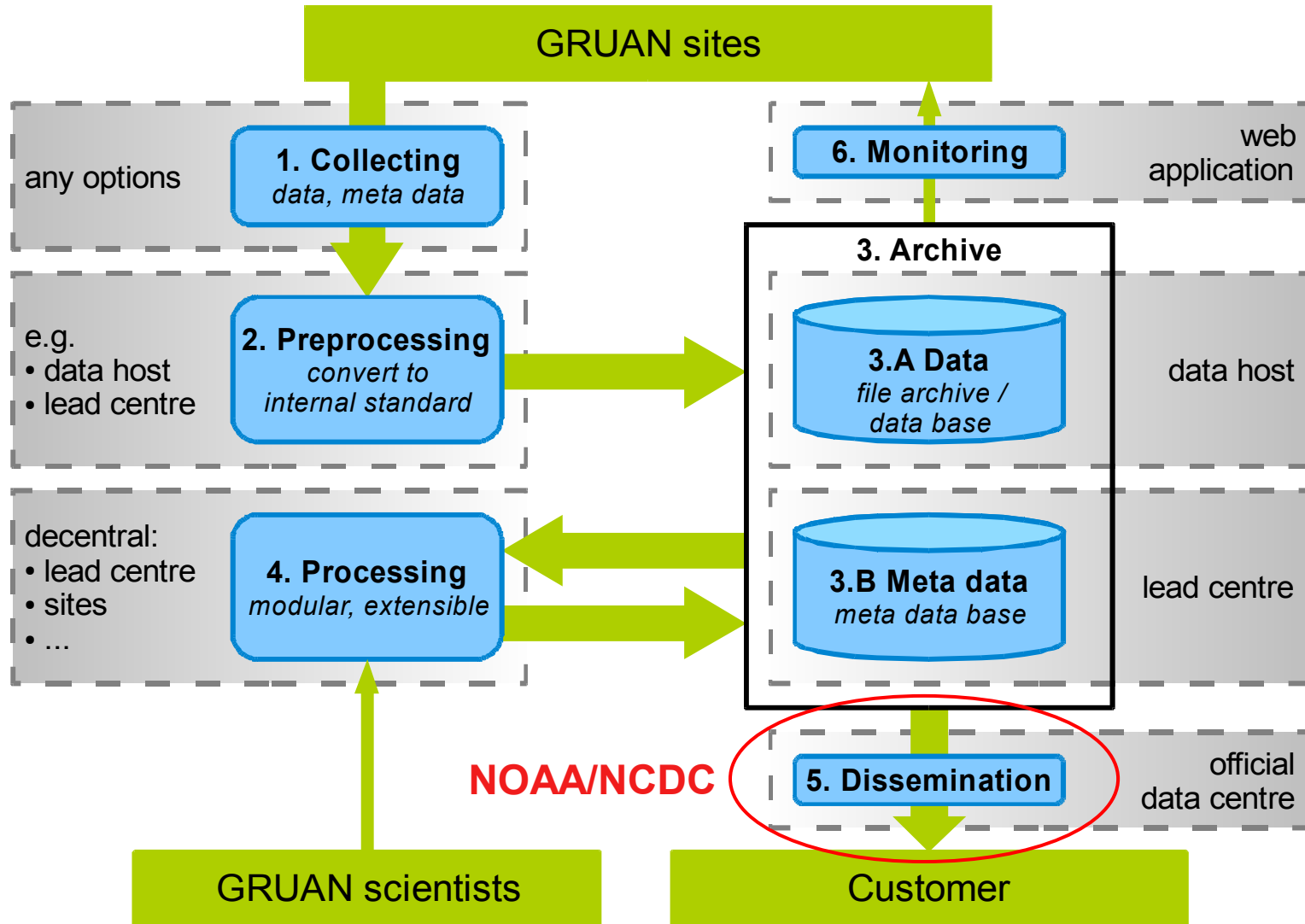


**Meeting 28-30 Sep 2009 in Ashville, NC and Oak Ridge, TN
between:**

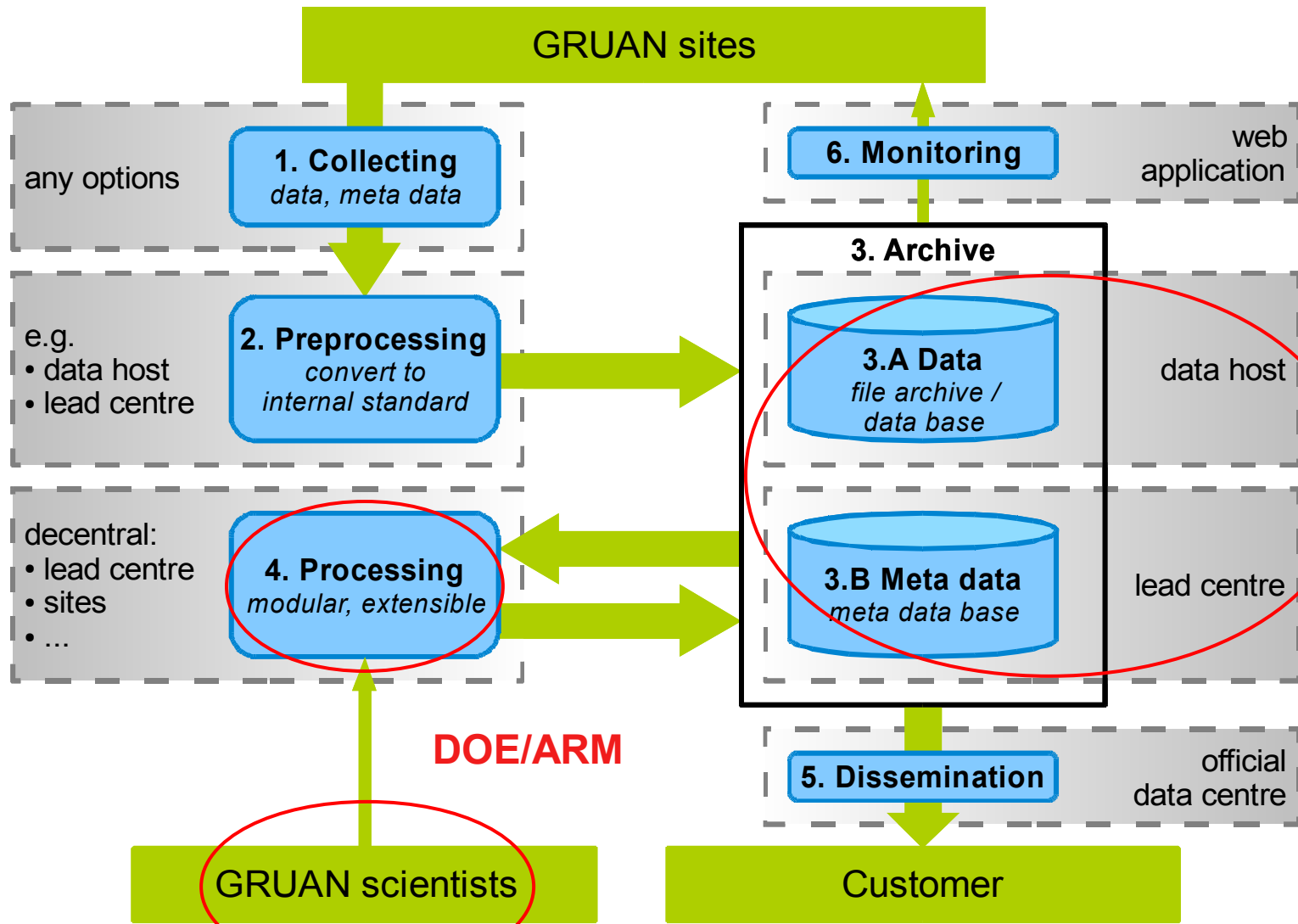
-  **Lead Center**
-  **NOAA/NCDC**
-  **DOE/ARM**

See talks by Michael Sommer and Russ Vose

GRUAN data flow



GRUAN data flow



**Action items:
GRUAN involvement in the CIMO intercomparison**

Intercomparisons



- CIMO radiosonde intercomparison, Yangjiang, China, 12-31 July 2010
 - Scientific Sounding Instruments (Payload with Vaisala RR01, Meisei MTR, Meteolabor SnowWhite, Sippican Multithermistor, CFH)
Lead Center as coordinator and Working Group participation
 - Operational radiosonde (2 payloads with most commercial radiosonde manufacturers)
CIMO as lead
 - See talk by Tim Oakley
- LUAMI intercomparison workshop
 - Workshop held 21-23 Sep 2009 at Lindenberg
- Lapbiat 2 campaign, (including radiosonde intercomparison)
 - Jan – Mar 2010
 - GRUAN station Sodankyla as lead
 - Participation of Lead Center, Vaisala, Intermet, Graw, CFH, FLASH, Cobald, ECC

**Action item:
Develop a communication platform for the
GRUAN community**

The GRUAN blog



- GRUAN.WORDPRESS.COM
- Hosted by wordpress.com
- Administered by the lead centre
- Discussion forum for the GRUAN community
- Open to everyone

Flyer



A Little User-Guide of the GRUAN Blog - gruan.wordpress.com
Version 1.0 (2010-02-07)

In addition to our static website (www.gruan.org), we have an interactive GRUAN Blog (gruan.wordpress.com) since May 2010. There are, concerning facts and facts for discussions are published in regular steps. A blog has many interesting properties to improve our team-network communication, e.g. the possibility to comment and to subscribe.

Possibilities of the Communication Platform

Obviously, not everybody is well experienced with Web 2.0. Therefore it might be useful that you first get acquainted with the platform and check out the possibilities it offers. Please note the following facts:

- The news bar at the top gives access to static pages which give general and technical information on the blog. In particular you find information on how to register.
- The posts can be accessed in the categories and tags.
- Everybody can comment on everything.
- The sidebar gives easy access to recent discussions and posts.
- You can subscribe to the posts and comments using your favourite RSS client. Use the widget [WordPress RSS](#) and [Comments RSS](#) in the Meta area on the sidebar.
- You can write and publish your own articles on the blog (if you registered).
- You can publish not only a text but also documents and links.
- If needed, you can protect (with passwords) a published article of the blog that only a few selected persons can see it.

Please let us know your opinion on this platform, and then register and participate!

Add posts

If you want to add a new article (post) to the blog, you need to register first at wordpress.com, the provider of the blog service. Please find the instructions for registering below.

Add comments

If you want to add comments to existing articles you can do so without registering (although this will save advantages). Simply use the link at the end of each article. With your comment you need to supply your name and e-mail address (when you are logged on, these will be added automatically). Leave a reply to a comment by using the link [reply](#) on the bottom.

Your comment will not appear immediately. It will be checked by the editor of this page before publication in order to prevent the blog from SPAM.

GRUAN.WORDPRESS.COM



Communication Platform
Blog of GCOS Reference Upper-Air Network

The GRUAN web site



WWW.GRUAN.ORG



- **Tool for communication within GRUAN community**
- **Documentation archive for GRUAN**
- **FAQ resource**

- **Please bookmark www.gruan.org and navigate from there**

Other action items

Other action items



Definition for optimal GRUAN site:	Not yet started. See discussion site assessment,
GRUAN implementation plan:	Completed. GCOS 134 (WMO/TD No. 1506).
Paper on change management:	A post related to this issue was published at the GRUAN blog and remains open to discussion.
Inventory of GRUAN sites:	See presentation by Holger Vömel
Questions by sites	http://gruan.wordpress.com/category/faq
Perform gap analysis on existing documentation:	Not yet started. Follow up meeting Friday.
Proposal for WIGOS-PP.	Completed. Talks by Peter Thorne, Holger Vömel