



Introduction to HARMONIE MUSC

Laura Rontu

FMI, Meteorological Research

International HIRLAM-B programme, Physical parametrisations



MUSC working days
29.11 – 2.12.2011 FMI, Helsinki



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Structure of HARMONIE MUSC

Status and plans

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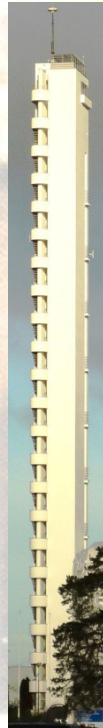
Modèle Unifié, Simple Colonne



Modèle Unifié, Simple Colonne



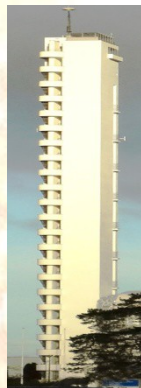
Modèle Unifié, Simple Colonne



PICK
COLUMN
TO
NAMELIST

CONVERT
TO FA/LFI
-FILES

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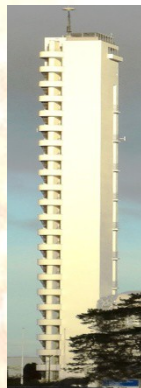


CONVERT
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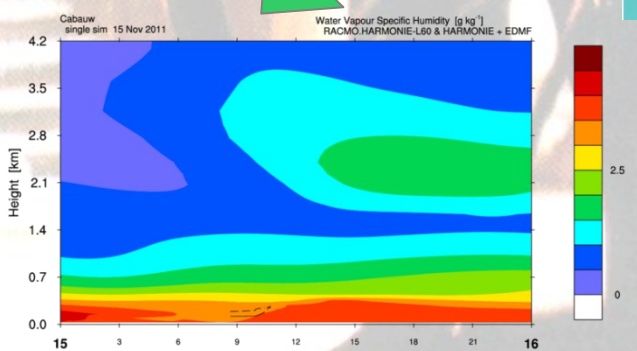


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CONVERT
FROM LFA

PLOT



WHY MUSC?



**Tool for the developer
of physical parametrisations**

**Simplified code framework suitable for
workstation usage**

**Good for sensitivity studies and
model intercomparisons**

Not that good for forecasting



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HARMONIE MUSC



Based on Meteo France MUSC export

Code and tools available as

'svn co https://svn.hirlam.org/branches/harmonie_MUSC'

**Follows development of IFS code h-cycles,
at the moment based on cy37h1**

**Contains the whole HARMONIE source code and
additional utilities to handle input and output**

Executables built by makeup



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S OF MUSC WORKING DAYS



To learn about MUSC, try it and exchange experiences of its usage

To contribute to building of the first version of harmonie_MUSC, which is not at all ready yet

To develop tools for handling input and output

To produce material for a harmonie_MUSC user guide document

To plan further steps of development, maintenance and application of harmonie_MUSC



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THANK YOU!



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