

# Educating future meteorologists

## on disciplinary didactics and interdisciplinary skills

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# How to become a meteorologist?



## Teaching in meteorology

- What?
- How?



# *What* to teach: a matter of perspective

- The atmosphere



- The researcher



- The job





# What to teach: knowledge and skills

Meteorology is what meteorologists do

- Knowledge

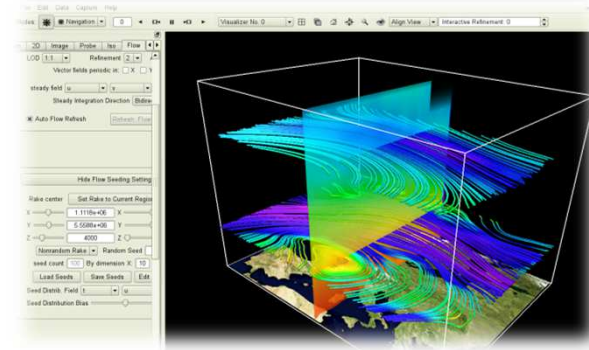




## What to teach: knowledge and skills

# Meteorology is what meteorologists do

- Disciplinary skills



- Academic skills



- Interdisciplinary skills

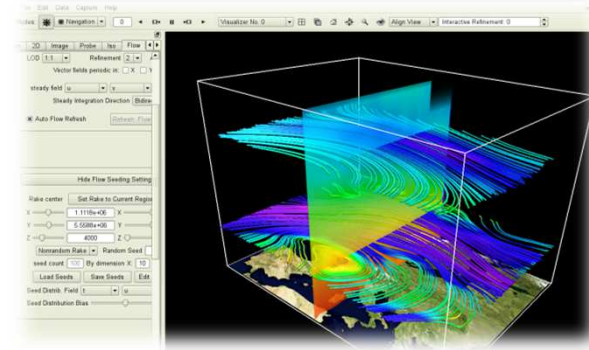




# What to teach: knowledge and skills

Meteorology is what meteorologists do

- Disciplinary skills
- Academic skills
- Interdisciplinary skills





# How to teach: didactics

- Acquiring didactic skills:  
University Teaching Qualification



- General didactics

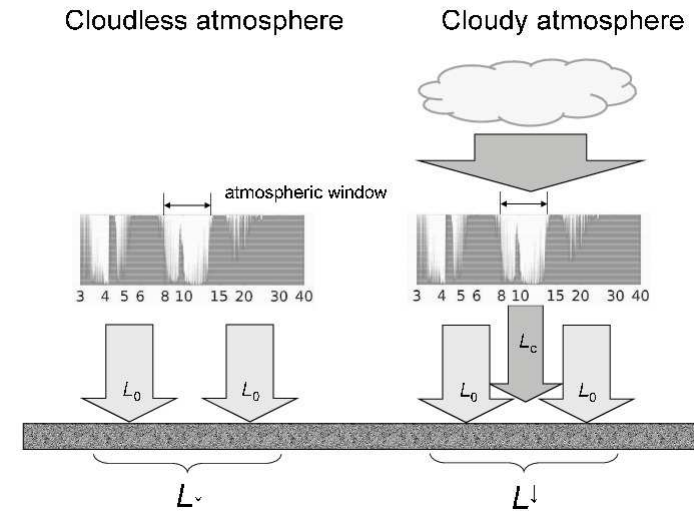
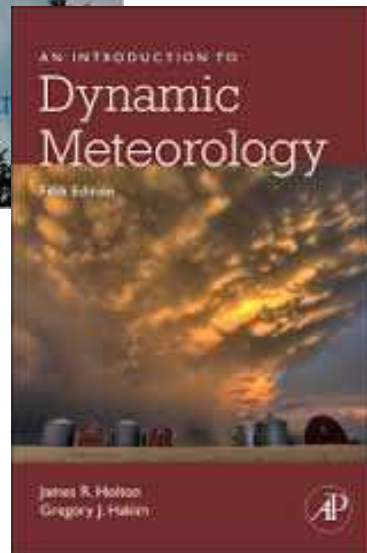
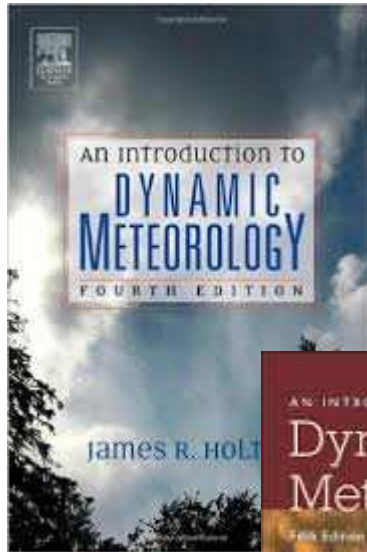


- Disciplinary didactics





# How to teach: disciplinary didactics

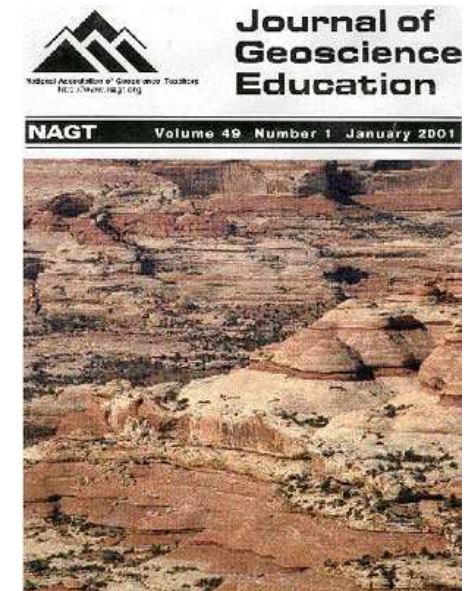




# How to teach: disciplinary didactics

How can we develop disciplinary didactics?

- Your own imagination
- Colleagues
- Discipline based educational research (DBER)





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# Education continues to develop ....

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in reaction to developments ...

- in the meteorological sector (full width)
- in atmospheric sciences and didactics

therefore we need a dialogue ...

- between **universities** and the **sector** about necessary knowledge and skills (the *what*)
- among **university staff** about successful disciplinary didactics (the *how*)

