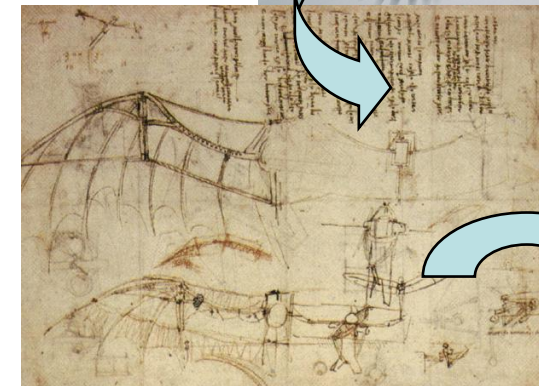
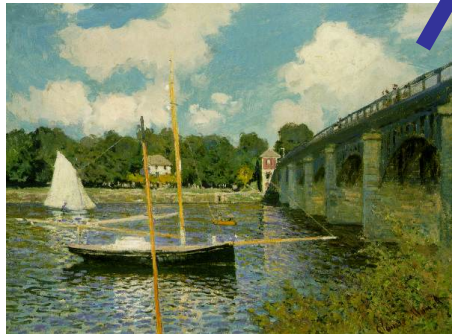
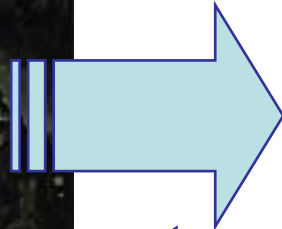


# A good thesis is...

- one that is **delivered and successfully defended** (<http://idi.ntnu.no/research/disputations.php>)
  - be pragmatic
  - And remember...there is still life after your phd: !!!The PhD is the beginning, not the end!!!
- One that you enjoy writing (after all it is 4 years of your life!)
- One that your supervisor enjoys supervising
- One that others enjoy reading

# A good thesis must be *innovative* (it is your gift to the world)



- A good idea is not enough for a good thesis
- A good thesis build on a huge body of previous work. Learn from the rest of the world!
- **Be inspired!**
- Whatever your method...this requires hard work

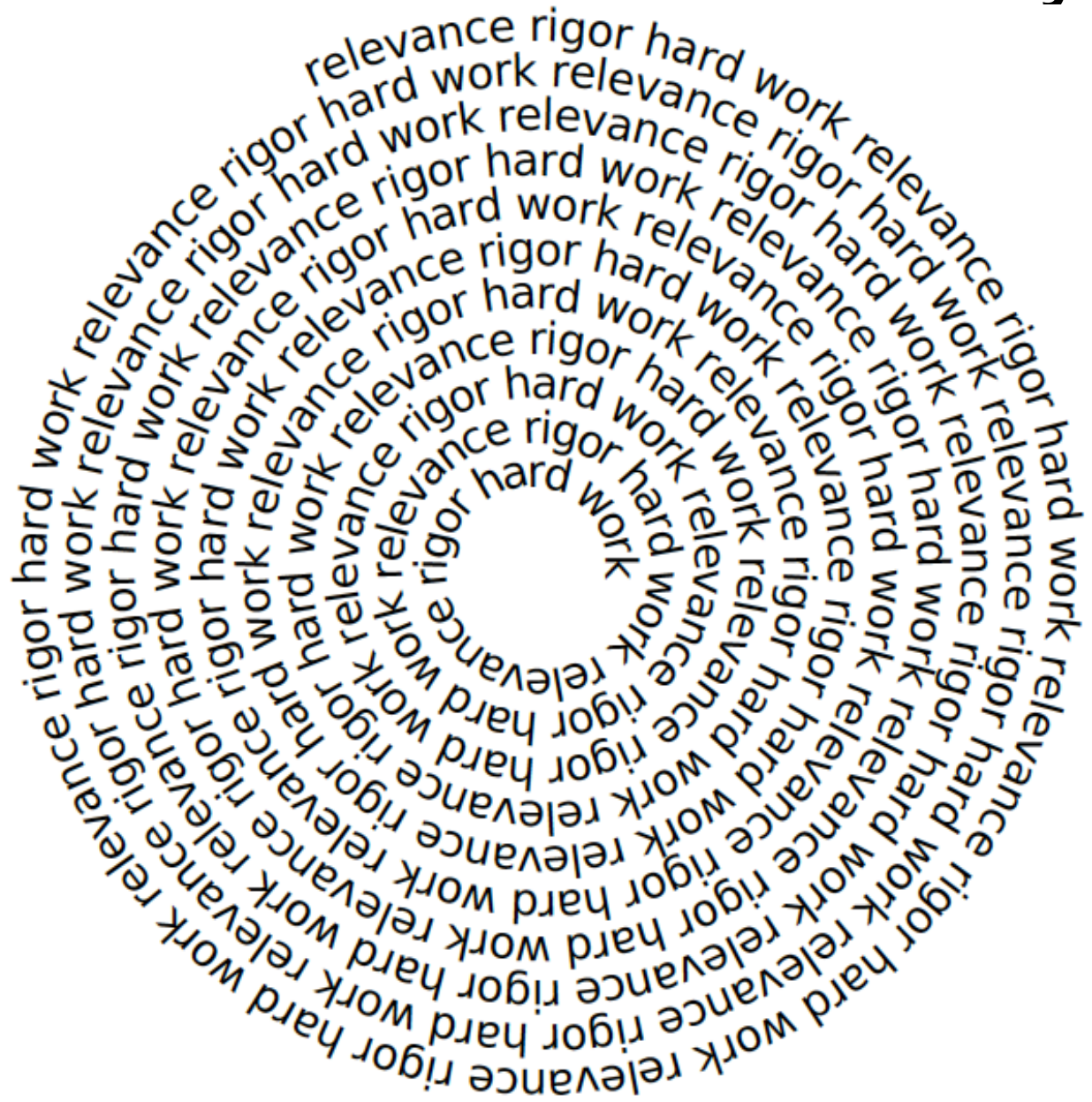
# How do you get there ...på 1,2,3

1. Find an interesting problem (for *you* and your *community*)
2. Define **good research questions** (yes, they will change, but you need a direction). Make sure they can be answered within your **constraints**
3. Choose an appropriate **research method** and apply it carefully

# How do you get there...(cont)

- Add 3 years of hard work ...1 pinch of optimism and three of stubbornness 😊

# Your mantra\* for the next 3 years



\* ...group of words believed by some to have psychological and spiritual power

# Learn to fail!

- Your experiments will fail, your wonderful applications will not be accepted by users, your papers will be rejected ...
- *"Success is the ability to go from one failure to another with no loss of enthusiasm"* W. Churchill
- *"If you don't fail often, you are not setting your standards high enough"*  
Former ACM president Maria Klawe



# Research is a collaborative effort





Photos from National Geographic

Don't be afraid to ask for help from the "big" guys.

...and from the "small" guys







Don't lose hope...  
you will be there sooner than you think



Photos from National Geographic