



UiT

THE ARCTIC  
UNIVERSITY  
OF NORWAY

# For the greater good of science

The place of research data in information literacy teaching  
for PhD students

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# The PhD student & the meeting with science



# The PhD student & the challenge of balancing

The good  
academic



The good  
scientist



The PhD &  
student  
the library



Photo: University Library, UiT





## The unspoken ingredient?

*Academic integrity*, commitment to the values of honesty, trust, fairness, respect, responsibility, and the courage to act upon these (CAI, 1999)



## Widening the scope of information literacy

Open science, element and result of  
good academic practice

# Outline

Our PhD seminar in brief, ideas and reactions,  
the library's role revisited, the road ahead



# Take Control of your PhD journey

From (p)reflection to publishing

Academic Integrity

Literature search

Reference management

Open access publishing

Research data management



Photo: Helene N. Andreassen

# The library supports open science!

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## UiT Open Research Data

support transparent and reproducible research

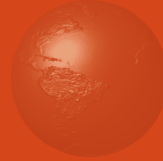
**munin**  
open research archive



# The study

Feedback during seminars  
Course evaluations – own reflections – pre-surveys – post-surveys





# Academic integrity as a gateway to good science

Scientific culture displays a constant shift of values and interests  
Responsibility lies on the individual, the institution, and the scientific enterprise as a whole

For science to serve its purpose, measures should be taken on each level

(Sovacool, 2008)

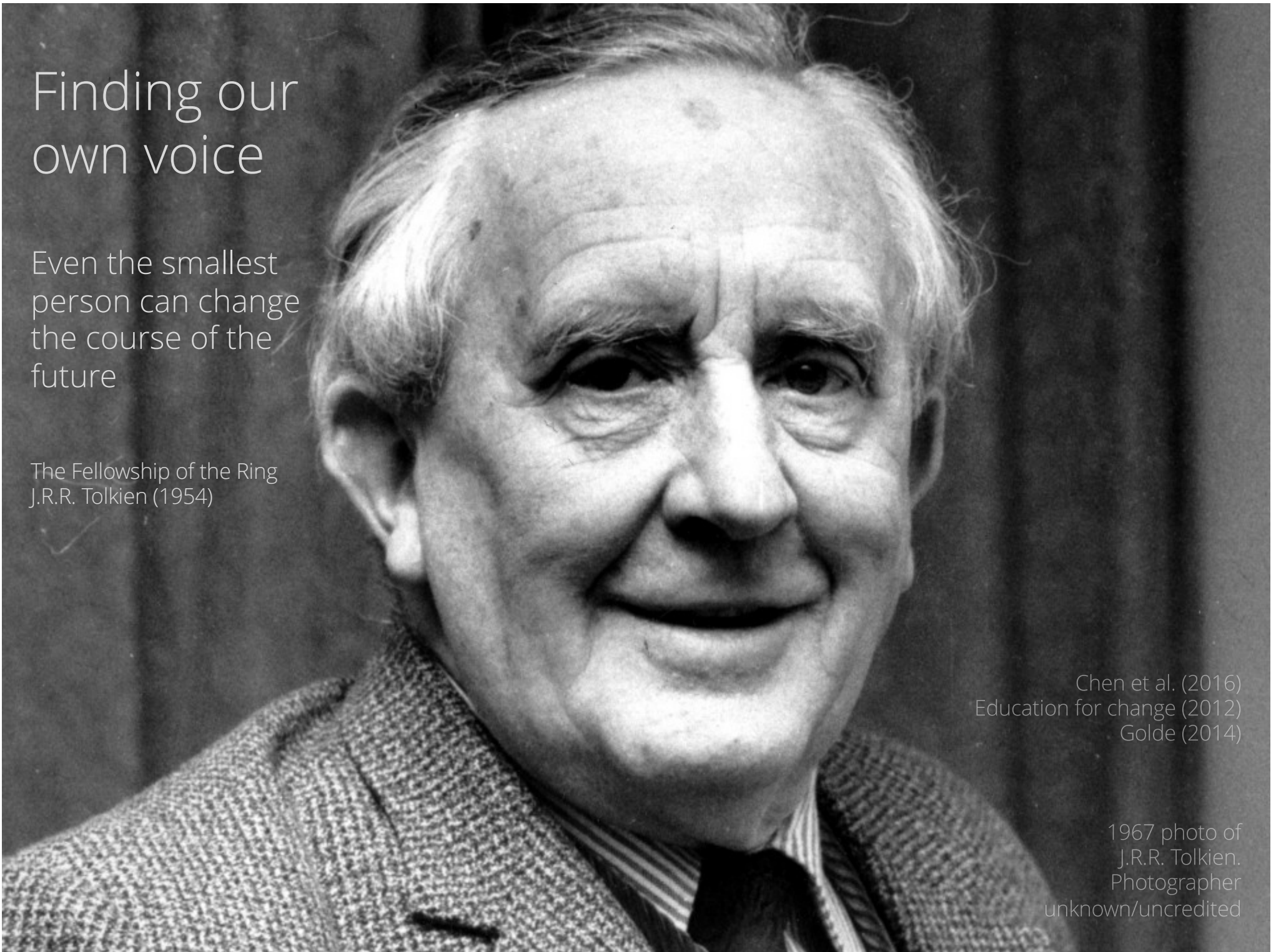
# Finding our own voice

Even the smallest  
person can change  
the course of the  
future

The Fellowship of the Ring  
J.R.R. Tolkien (1954)

Chen et al. (2016)  
Education for change (2012)  
Golde (2014)

1967 photo of  
J.R.R. Tolkien.  
Photographer  
unknown/uncredited



# Why do a PhD?

I can go in depth into a topic that interests me  
I love science



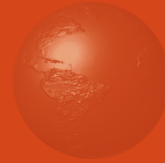
# The focus of your supervisor?

The contribution of my research to academia  
The contribution of my research to society in general

## Open access and supervisors

Not a theme for discussion  
Fully engaged, or “interested but cautious”

(Education for change, 2012)



# Academic integrity as a gateway to open science

Transparency is a key element in research integrity and trust  
The model frameworks supporting open science practice may be viewed as transparency tools

(Lyon, 2016)

# Attitudes towards prestige & being a good academic

There are different processes for publishing articles and publishing data, and going open raises different issues



# Assumed relevancy to others & decision on sharing data

I would share because you never know which data  
people might find relevant in the future

I would share because I know of people  
who would be interested in my data



## Do we meet their needs?

Increasing open access publishing, but nature of open access is not fully understood

Data is mostly shared with their work colleagues, as they fear others will not understand the data correctly (Education for change, 2012)



The road from here





# Obtain representative feedback

- Invite all PhD students at UiT to respond to surveys
  - Identify different views at early and final stage





# Integrate data in courses from bachelor level to experienced researchers

- Research data is essential in most research projects, but data literacy skills are not up to date
- Students and researchers need to learn how to *search* data





The library is an important contributor  
to the UiT's open science strategy





# Thank you for your attention\*

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to read about Take control: [ub.uit.no](http://ub.uit.no)

\*Thanks to the Take Control teachers group at UiT for sharing their thoughts and teaching material with us



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