UiT

THE ARCTIC
UNIVERSITY
OF NORWAY

What makes good science?

Information literacy seminars as a means to stimulate
reflection among PhD students

Helene N. Andreassen & Lene Østvand

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The PhD student & the meeting with science

THE ORIGIN OF THE THESES

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The PhD student & the challenge of balancing

THE GOOD SCIENTIST

THE GOOD ACADEMIC

Carter, 2015

The PhD student & the library

Outline

"Take Control" in brief, ideas and reactions,
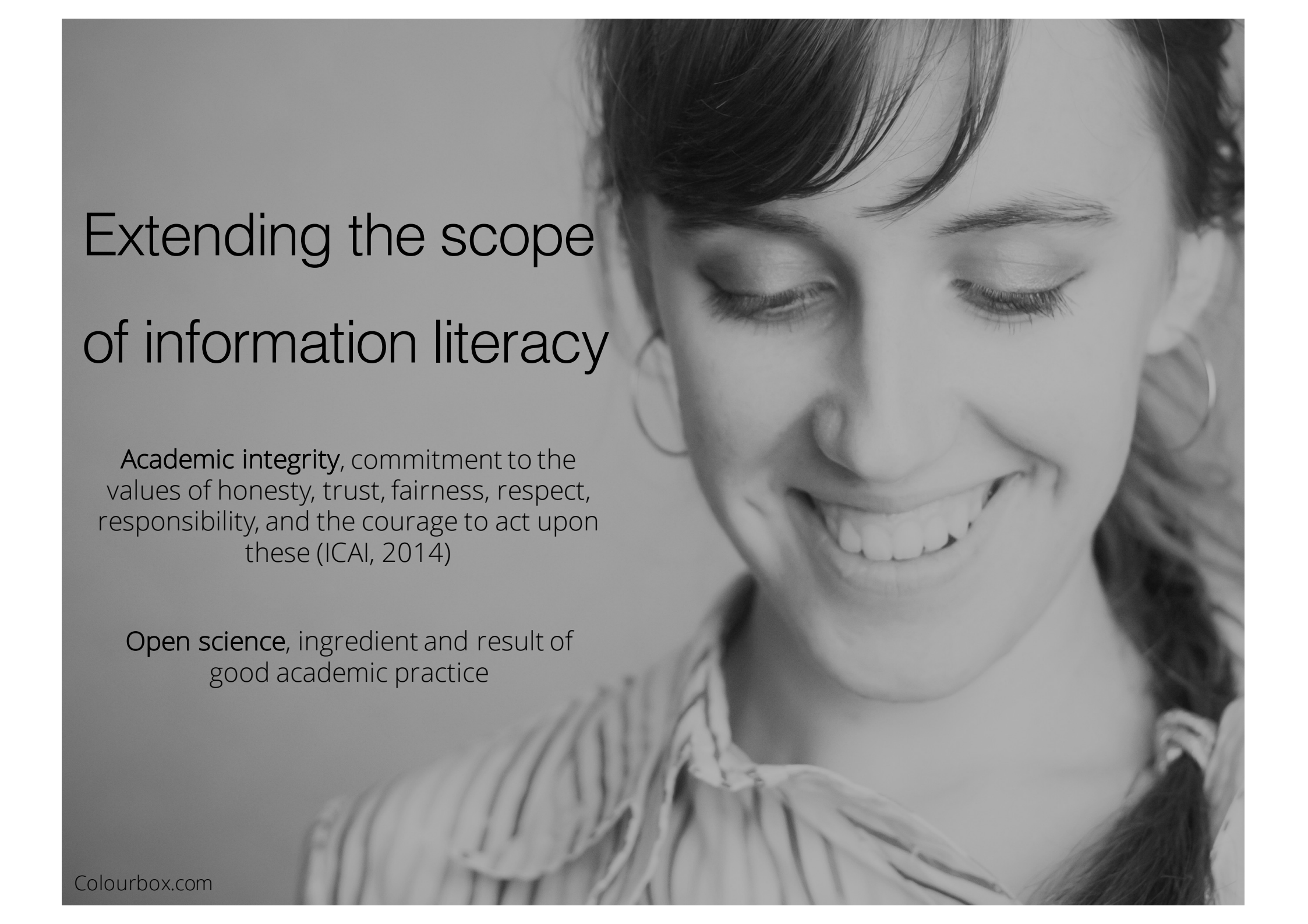the library's role revisited, the road ahead

Existing course offer

Includes research ethics, science communication and scientific writing and publishing
The courses tend to focus on *how* to do things in a *specific subject*

Take Control of your PhD journey
From (p)reflection to publishing

Academic Integrity – Literature search – Reference management – Open access publishing – Research data management

Extending the scope

of information literacy

Academic values, prerequisite for
becoming information literate
(Løkse et al., in preparation)

Extending the scope

of information literacy

Academic integrity, commitment to the values of honesty, trust, fairness, respect, responsibility, and the courage to act upon these (ICAI, 2014)

Open science, ingredient and result of good academic practice

Dialogue is central in our courses to stimulate learning and reflection

Photo: private

The study

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

Academic integrity as a gateway to correct treatment of information

Finding our own voice by thinking learning

We become information literate in a social, physical and textual context
The transformation from novice to expert occurs via interaction with our scientific and general community

(Lloyd, 2007)

Why do a PhD?

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

"As a PhD student, I find it hard to balance the pressure to do good research and the pressure to publish quickly"

Semester 5

Score 9

Semester 1

Score 1

The focus of your supervisor?

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

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

How does impact factor affect the choice of publisher?

Assumed relevancy to others and 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?

1. Research resource discovery 2. Evaluating information 3. Using the web effectively
4. Bibliometrics 5. Keeping up to date 6. Managing information
7. Getting published 8. Open access 9. Research ethics
(Madden, 2014)

Course evaluations

Academic integrity
A meta view on the PhD and research in general is valuable at this stage in my PhD

Open access publishing
Thanks for teaching this course, it comes in a very right moment for me

Open research data
Why don't the professors know about this?!

Photo: Rune Ytreberg

The road from here

#1
Obtain representative feedback

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

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The road from here

#2
Reach more PhD students

- Integrate our seminars in the course offer at other faculties
- Give ECTS credits

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The road from here

#3
Co-operate with other course developers

- Contribute with our expertise when appropriate
- Be included in the planning at an early stage

Thank you for your attention!*

Helene
helene.n.andreassen@uit.no

Lene
lene.ostvand@uit.no

To read about Take Control
uit.no/ub

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