

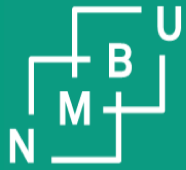
# Writing the Master Thesis

Writing Centre

5.02.2019



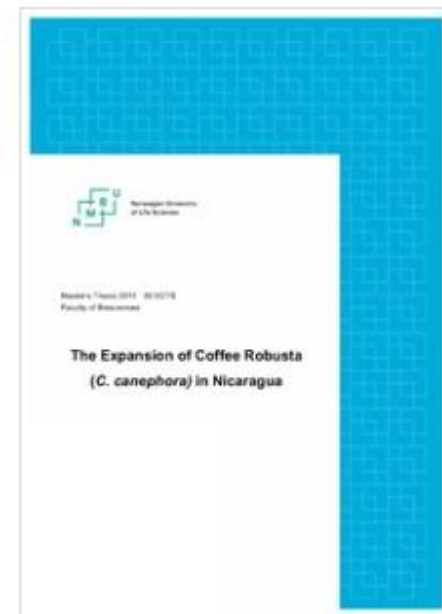
# The Writing Process



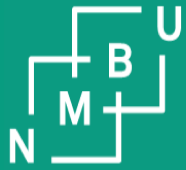
Idea



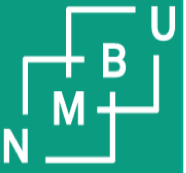
Final Draft



# The Writing Process



# The Writing Process



## THINK

Why am I writing this and  
what is my purpose?  
Who is my audience?

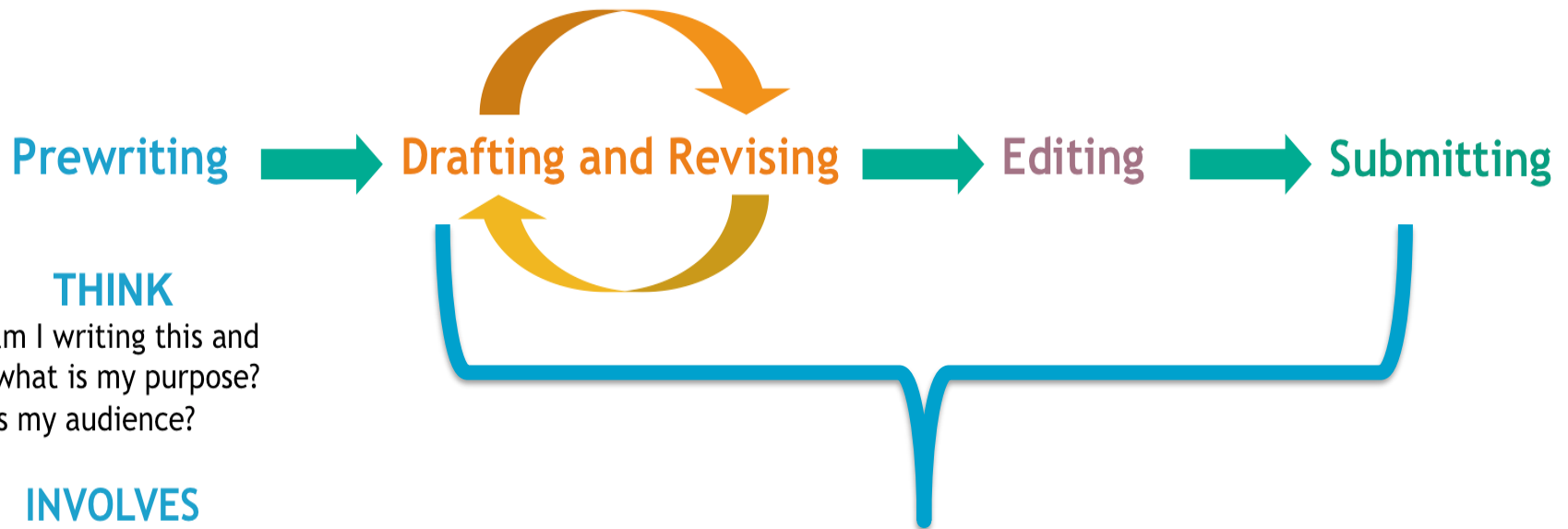
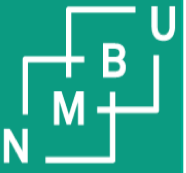
## INVOLVES

- Understanding plagiarism
- Brainstorming and idea generating
- Preliminary research
- Developing research questions and hypotheses
- Time management
- Organizing and outlining ideas

**The BIG stuff**  
**The HARD work**

**90% of the Writing  
Process**

# The Writing Process



# Manage your time



## Try to determine

- How much time each section will take
- What part will consume most time?
- What is the easiest section?
- Do I have other activities? (Easter, weekends, work)

A hand-drawn table with a green border and two red pushpins at the top. The title 'ACTION PLAN' is written in large blue letters at the top. Below the title are four columns labeled 'WHO', 'WHAT', 'WHEN', and 'HOW' in red. The table has two empty rows below the headers.

ACTION PLAN			
WHO	WHAT	WHEN	HOW

## THEN...

- ✓ Plan when to work on tasks
- ✓ Set deadlines
- ✓ Take breaks to clear the mind
- ✓ Get feedback throughout the process
  - Peers, friends, supervisors, writing advisors

# Take notes effectively

## Build connections while CITING

### Climate Change Effects

- Smith, 2017
  - *Plant range shifts to higher latitudes and elevations* (p. 27)
  - *Longer growing season for certain plant types* (p. 32)
- Ronstad & Rognstad, 2004
  - *Elevation gains by sub-alpine plants threatens alpine species* (p.2)
  - *Pollination species shifts occur and displace symbiotic species* (p. 10)

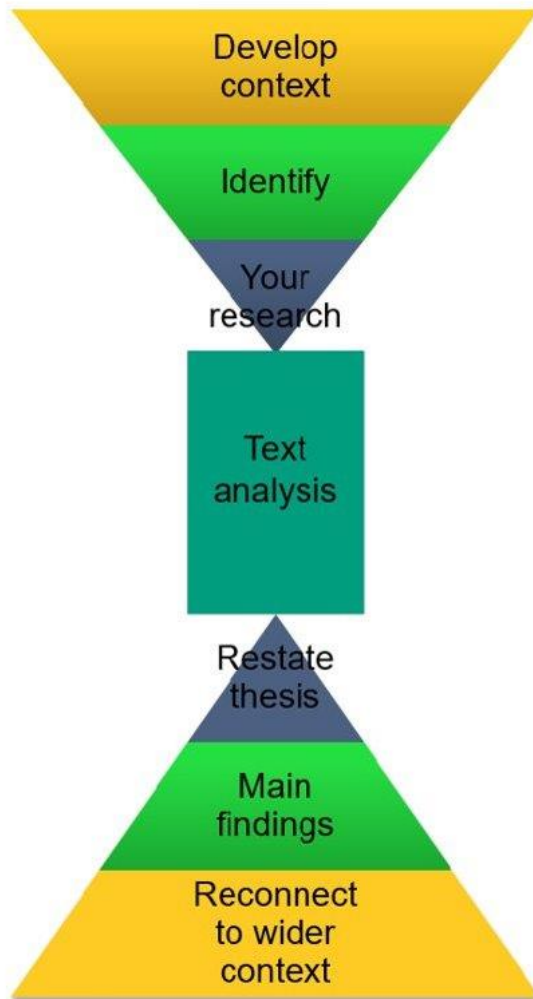
### Trophic cascade

- Dahl et. al, 2008
  - *Trophic mismatches if occur if flowering begins at same periods displacing pollination and food opportunities for dependent species* (p.1)
- Orwell, 1995
  - *Trophic cascades are described as ...*(p. 7)

Theme  
or Category for  
information  
**Citation or full  
reference**

**"Direct Quotes"**  
or paraphrased  
info

**Page number**



## Introduction

(Move from general to specific information)

## Body paragraphs

(Focus on your purpose)

## Conclusion

(Move from specific to general)



- **Introduction**

- Background information
- The context of your research
- Thesis

Problem,  
Puzzle, or  
Gap?

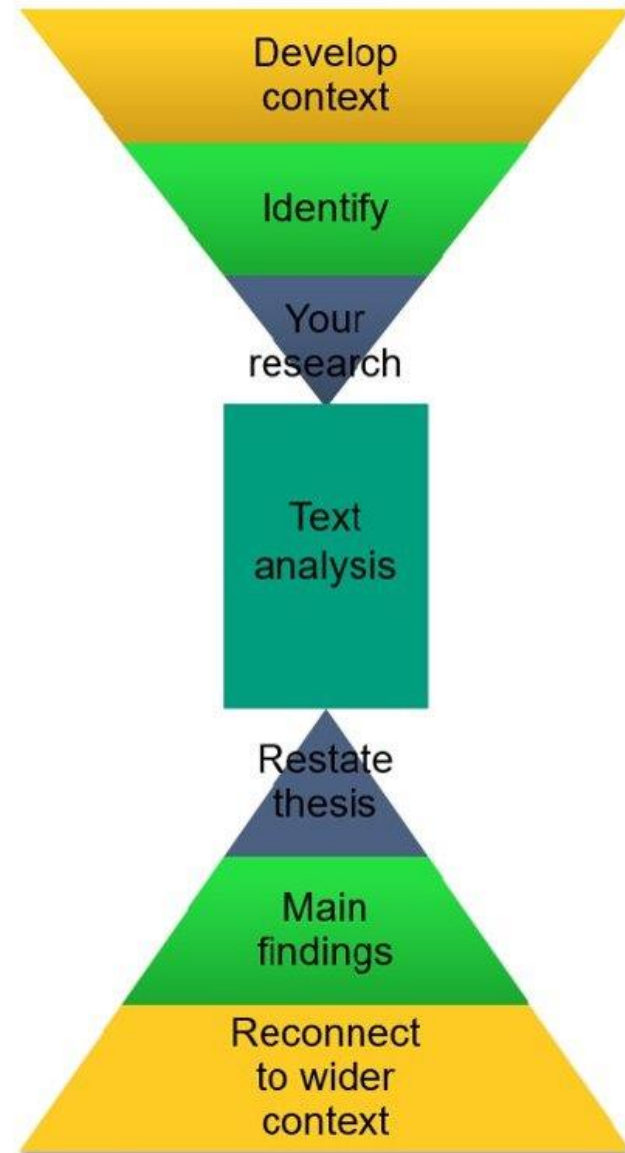
- **Methods**

- **Results**

- **Discussion**

- **Conclusion**

- Relate to thesis statement
- Relate to a larger context

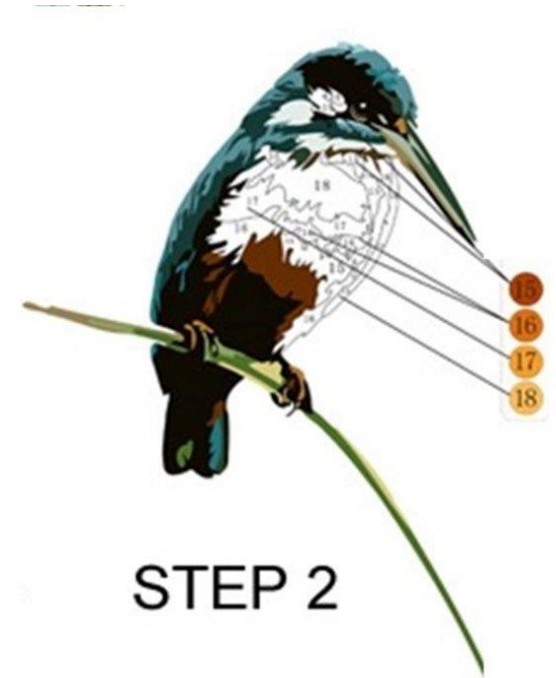


# Strong Outlines Support Strong Writing

Bullet points make it  
easier to get an overview  
of the content

- IPCC predicts a worldwide 2°C temperature increase within 2050 and this will affect the global coffee production (IPCC, 2012)
- The two coffee species will respond differently to climatic changes ([Ovalle-Rivera, Laderach, Bunn, Obersteiner, & Schroth, 2015](#)).
- Robusta is tolerant to temperatures up to 30°C ([Magrach & Ghazoul, 2015](#)).
- Arabica is heat sensitive. It prefers stable temperatures between 20-23°C ([Magrach Ghazoul, 2015](#)).
- Based on this, Arabica has to be grown at higher altitudes where the temperatures are lower. Forests are cleared, while robusta can replace land unsuitable for arabica and lowland areas ([Magrach & Ghazoul, 2015](#))

Keep track of your  
references in the text



STEP 2

# How to Outline

# How NOT to Outline

## Body paragraph 1:

- IPCC predicts a worldwide 2°C temperature increase within 2050 and this will affect the global coffee production (IPCC, 2012)
- The two coffee species will respond differently to climatic changes (Ovalle-Rivera, Laderach, Bunn, Obersteiner, & Schroth, 2015).
- Robusta is tolerant to temperatures up to 30°C (Magrath & Ghazoul, 2015).
- Arabica is heat sensitive. It prefers stable temperatures between 20-23°C (Magrath & Ghazoul, 2015).
- Based on this, Arabica has to be grown at higher altitudes where the temperatures are lower. Forests are cleared, while robusta can replace land unsuitable for arabica and lowland areas (Magrath & Ghazoul, 2015)


Two Natural Waste

**Thesis:** Waste stabilization ponds and waste perspective of farmers are equally suitable for pathogen removal, retaining nutrients and

1. Introduction
2. Waste stabilization ponds
  - 2.1. Pathogen removal considering virus helminthes eggs
  - 2.2. Retaining nutrients
  - 2.3. Applicability in developing countries
3. Wastewater storage and treatment reservoir
  - 3.1. Pathogen removal considering virus helminthes eggs
  - 3.2. Retaining nutrients
  - 3.3. Applicability in developing countries based on climate and costs
4. Conclusion

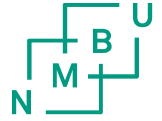
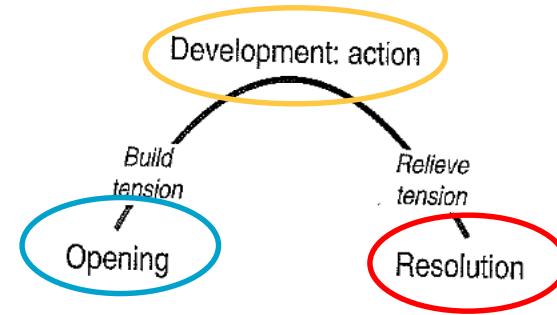
Reference

Pay Drechsel ... [et al.] (2010) *Wastewater low-income countries*, London, United Kingdom  
Asano, T. (1998). *Wastewater Reclamation States of America*, CRC Press LLC.  
Gloyne, E. F. (1971), *Waste stabilization pond Organization*.



**Do not tell intent**  
**Show results**

# Paragraph Principles



## ***Keep the topic visible***

1. Begin with the familiar and simple
2. Build with explanation and support
3. End with the new, complex, emphasis

# Paragraph Structure

**State** your  
topic



**Explain  
&  
Examples**



**Conclusion  
&  
Transition**

## First sentence of a paragraph

- ✓ States the **topic** of the paragraph

## Following sentences **RELATED** to the topic

- ✓ **Explains** the topic
- ✓ Provides **supporting details** for the topic
- ✓ Demonstrate your **analysis** and **understanding**

## Last sentence of a paragraph

- ✓ **Summarizes** main idea of paragraph
- ✓ **Connect** to a **new idea** presented in the next paragraph



# SEEC the topic

State

Explain

Examples

Conclude

Google has one of the largest and most advanced computer networks. Its network has thousands of miles of fiber optic cable and uses advanced software-defined networking. After Google laid its fiber optic cable under the Pacific Ocean, half of the world accessed its service. This has made Google the most used computer network in the world for information searches, which have implications for cyber security.

## Focusing on

## Revision Goal

## Draft and Techniques

Outline your ideas

Outline/ Structure

**Outline:** structure your ideas, include citations, Paragraph (SEEC) structure, get an overview of your text

Getting all ideas onto paper

Write from Intro to Conclusion

**1<sup>st</sup> Draft:** Use your outline and just write. Don't think about sentence and paragraph structure

Logic/movement

Structure/Flow/Cohesion

**2<sup>nd</sup> Draft:** reorder ideas; add what is missing. Paragraph (SEEC) structure, do my ideas flow?

Tightening paragraphs

Clarity

**3<sup>rd</sup> Draft:** remove *of*, vague pronouns (*it*, *this*, *that*, *those*), and interruptions (phrases surrounded in commas)

Shortening sentences

Concision  
Precision

**4<sup>th</sup> Draft:** compress phrases, remove unspecific adjectives/adverbs, delete irrelevant/redundant ideas, remove *not*

Examining individual words

Proofread  
Format

**5<sup>th</sup> Draft:** grammar, punctuation, page numbers, checking citations/references, page/section breaks. Finalize **title** and **headers**

Developed by/ Laget av



## Mini-lecture Program

**1230-1300**

03.02	The Writing Process and Time management
10.02	Searching techniques w/ The Library
17.02	Critical Reading and taking notes
24.02	Structure (IMRaD)
02.03	Outlining Techniques
09.03	Referencing w/The Library
23.03	How to Write a Good Discussion
30.03	Clarity
20.04	Introduction and Conclusion
27.04	Writing Abstracts and Editing
04.05	Final Editing and Formatting
11.05	Final Formatting and Preparing for Defense



*Need a silent place to write?  
Trenger du en strukturert skriveøkt?*

## Silent Writing Lab

**Every Monday (from 3.2.20)**

**10-1600**

**Mini-Lecture**

**12.30-1300**

**Tårn T132**

*Drop-in or join us the whole day!*







All Courses

## The Scientific Resource Portal

Navn

☐ Kun offentlige emner ☐ Åpen bare påmelding emner

Søk



### Scientific Writing Resource Portal

Resources to help you with every step of your academic research and scientific writing

+ Bli med på dette emnet

### Write & Cite - Understanding plagiarism

### Virveldyr

### Biblioteket/Library

+ Bli med på dette emnet

### Studentdemokratiet NMBU

+ Bli med på dette emnet

### Course in Laboratory Animal Science for Research Workers (Høst 2017)

### Course in Laboratory Animal Science for Research Workers (Vår 2018)

### INF200-1 18H Videregående programmering

### LAFT210-1 18H Tegning - et visuelt språk

### PHG113-1 18H Landskapsplanter - grunnleggende økologi, anatomi og fysiologi

### PJH300 18 Bærekraftige produksjonssystemer

### RØP320-1 18H Skogbiometri

Forrige

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People

Assignments

Outcomes

Conferences

Collaborations

Grades

Welcome to the NMBU Scientific Writing Resource Portal



## Silent Writing Lab

### Spring 2019

Every Tuesday (from 5.02)

Tårn T132

9:00 - 16:00

12.30- 13.00: Mini-lecture (see program)

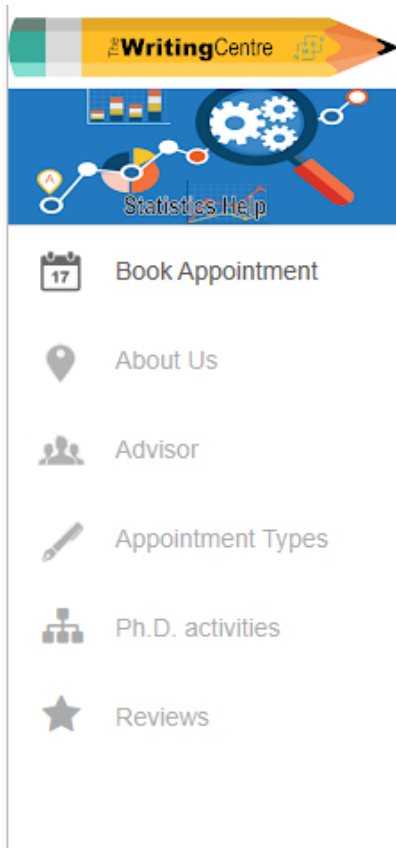
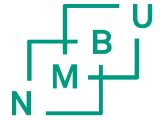
Free coffee and tea



## Program

5.02	The Writing Process & Time management
12.02	Searching techniques (library)
19.02	Critical Reading
26.02	Structure (IMRaD)
5.03	Outlining Techniques
12.03	Reading Critically & Taking Notes
19.03	Referencing (library)
26.03	Paragraph & Sentence Structure
3.04	Clarity
9.04	Stress Management
23.04	Introduction & Conclusion
30.04	Writing Abstracts & Editing
7.05	Final Editing & Formatting
14.05	Final Formatting & Preparing for Defense

# Book an appointment



## NMBU Writing Centre and Statistics Help

APPOINTMENT T > ADVISOR > DATE > YOUR INFO > CONFIRM

Choose Appointment Types

[Booking Policy](#)

### All Appointment Types

<a href="#">English General Consultation</a>	25 mins
<a href="#">English Thesis Consultation</a>	45 mins
<a href="#">LNG240</a>	25 mins
<a href="#">LNG250</a>	25 mins
<a href="#">Norwegian General Consultation</a>	25 mins
<a href="#">Norwegian Thesis Consultation</a>	45 mins
<a href="#">Statistics Help</a>	30 mins
<a href="#">Adamstuen skriveveiledning</a>	45 mins

# Questions?

Visit us in **Tårn (T129)** or **Sørhellinga** (SU121, behind the library)

Contact us: [writngcentre@nmbu.no](mailto:writngcentre@nmbu.no)

