

Seminar paper

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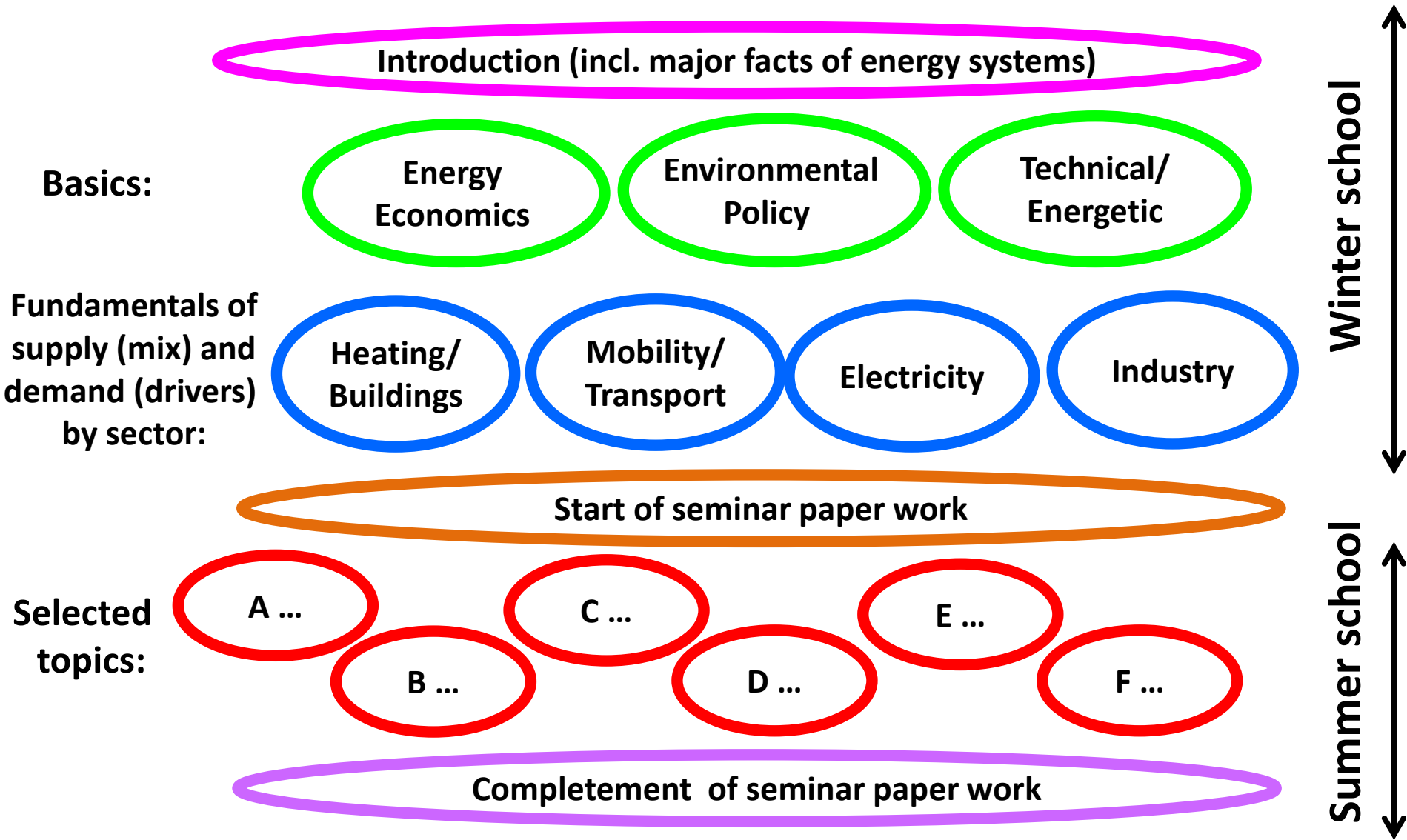
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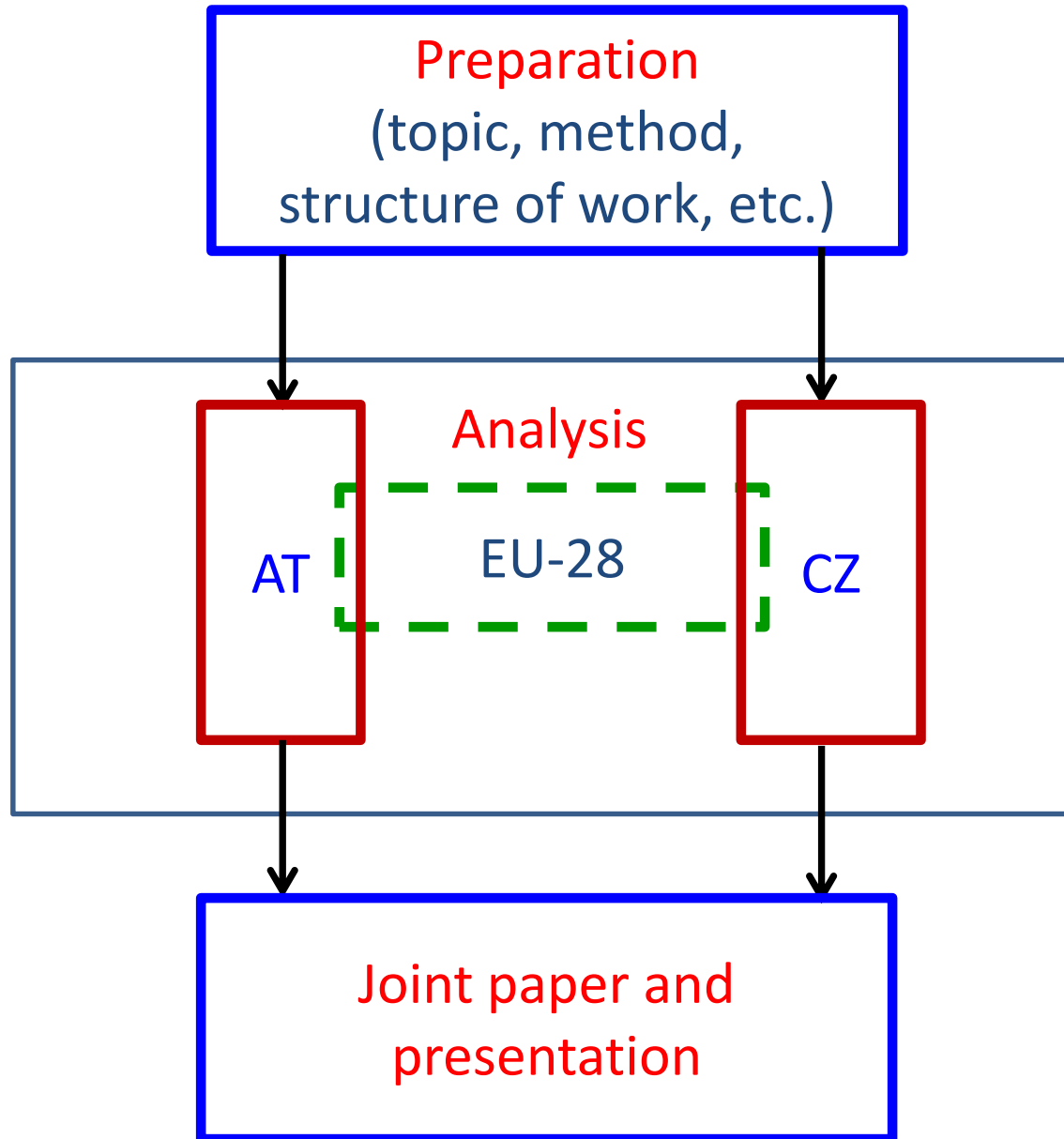
Web: <http://eeg.tuwien.ac.at>

ENERGY SYSTEMS

Basic structure of CZ-AT Winter and Summer School on „Energy Systems in Austria and the Czech Republic “



Joint seminar work



How to Write a Paper

Seminar paper

1. Select **topic**

2. Make **discussion** with other WSS participants



3. Create **bilateral group** (AT-CZ)



Making an Outline

Begin your research

- ✓ **Data:** *journal articles, books, academic databases, Web pages, etc.*

Make an Outline (ca. 2-3 pages)

- ✓ *Introduction*
- ✓ *Core objective*
- ✓ *Method & major data/literature*
- ✓ *Work structure*
- ✓ ***Discuss your outline with your supervisor***

Write your paper

Structure of a Seminar Paper

1. Title

- ✓ select an informative title

2. Abstract

- ✓ summary of your work
- ✓ ca. 300 words
- ✓ Incl. the rationale behind the study, method of approach, major results and conclusions

Structure of a Seminar Paper

3. Introduction

- ✓ Motivation
- ✓ Hypothesis, objective
- ✓ Literature
- ✓ Structure of the work

4. Methodology

- ✓ Describe data used
- ✓ Describe methodology, formal framework (equations, models, etc.)

Structure of a Seminar Paper

5. Results

- ✓ Goal: to present and illustrate your findings
- ✓ Summarize your findings in text and illustrate them (figure, tables)
- ✓ Describe each of your results
- ✓ Analyse your data
- ✓ Support every statement you make with evidence!

6. Conclusion

- ✓ Briefly summarize your findings
- ✓ Answer the question

Structure of a Research Paper

7. References

- ✓ List all literature cited in your paper

Examples:

Reference to a journal publication:

[1] Van der Geer, J., Hanraads, J.A.J., Lupton, R.A., 2010. The art of writing a scientific article. *J. Sci. Commun.* 163, 51–59.

Reference to a book:

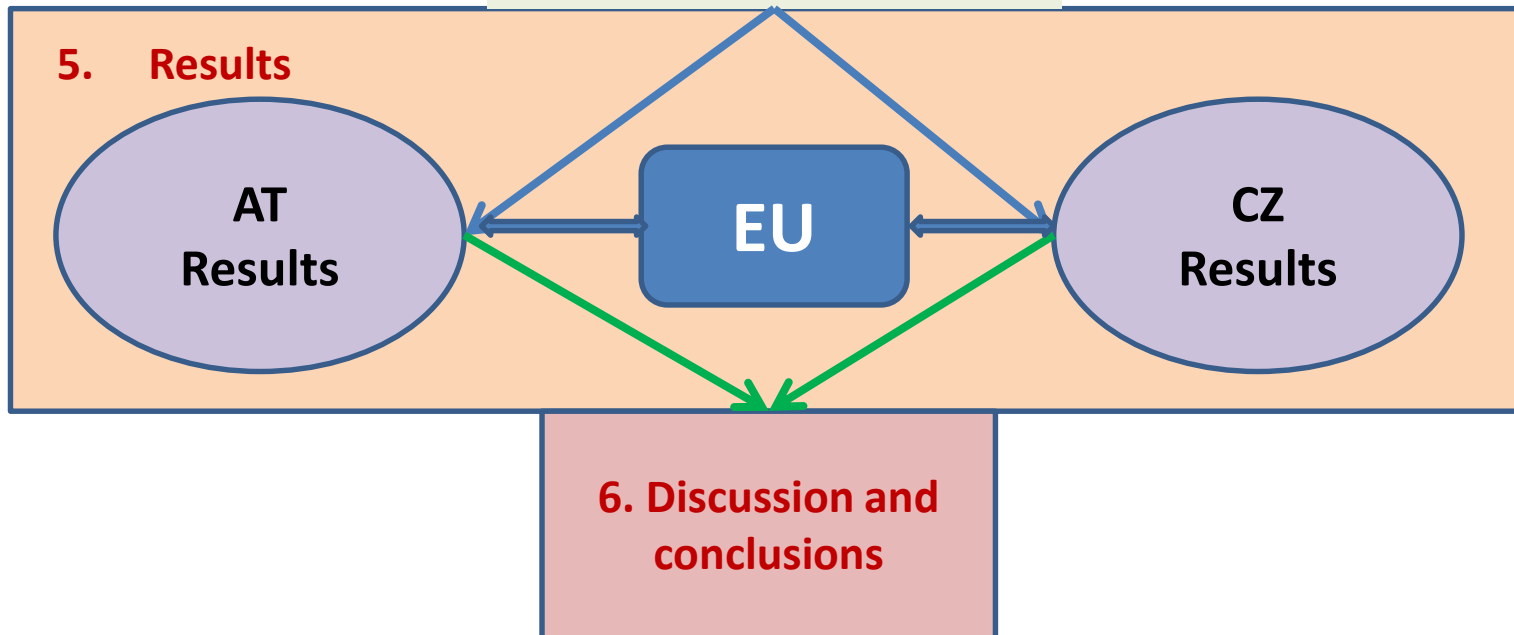
[2] Strunk Jr., W., White, E.B., 2000. *The Elements of Style*, fourth ed. Longman, New York.

Reference to a chapter in an edited book:

[3] Mettam, G.R., Adams, L.B., 2009. How to prepare an electronic version of your article, in: Jones, B.S., Smith, R.Z. (Eds.), *Introduction to the Electronic Age*. E-Publishing Inc., New York, pp. 281–304.

Your Paper

1. Title
2. Abstract
3. Introduction
4. Methodology



Seminar Work

MOST IMPORTANT:
ALL TOPICS OF SEMINAR WORK FOCUS
ON COMPARISONS BETWEEN
CZECH REPUBLIC,
AUSTRIA, AND THE EU-28
IN GENERAL!

TOPICS FOR SEMINAR WORK (1)

1. **WHOLESALE ELECTRICITY MARKETS: Differences in price, developments, structure...**
2. **PROMOTING RENEWABLE ELECTRICITY: TARGETS; STRATEGIES, BY TECHNOLOGY (2005-2019)**
3. **THE ECONOMICS OF SMALL DECENTRALIZED PV-SYSTEMS**
4. **PROSPECTS FOR LARGE PV-SYSTEMS (economics, land availability...)**
5. **THE RELEVANCE AND COSTS OF SHORT VS LONG-TERM STORAGE**

TOPICS FOR SEMINAR WORK (2)

6. STATE OF BIOFUELS: POLICIES, QUANTITIES; FEEDSTOCKS; COSTS (2000-2019)

7. E-MOBILITY IN URBAN AREAS: COMPARISON AND LESSONS LEARNED

8. ELECTRIC VS GASOLINE VEHICLES: COSTS, FUEL & ELECTRICITY PRICES, TAXES

9. TRANSPORT POLICIES: NATIONAL AND EU POLICIES

10. CITY BUSES: DIESEL AND CNG BUSES VS BATTERY AND HYDROGEN BUSES

TOPICS FOR SEMINAR WORK (3)

11. INTERNATIONAL GROWN BIOMASS FOR ENERGY PURPOSES AND SOLID BIOFUELS

12. INTERNATIONAL ELECTRICITY EXCHANGE IN EUROPE: PROBLEMS AND CHALLENGES

13. NCEP: COMPARING FOR ELECTRICITY

14. NCEP: COMPARING FOR TRANSPORT

15. ENERGY SAVING

16. BIOMASS POTENTIALS AND BIOMASS COMPETITIVENESS



INTERDISCIPLINARY BILATERAL WINTER AND SUMMER SCHOOL

**ON ECONOMIC, ENVIRONMENTAL,
POLICY, AND TECHNICAL ASPECTS
OF ENERGY SYSTEMS**

**Summer School in
Vienna
15-19 June 2020**