



# Instruction Problem Based Learning

Train the trainer program

# Attitudes toward learning

- Trainers, teachers and students are equal
- Preferably informal communication, calling by the first name
- Expectation of shown initiative
- Questions are expected to be asked if something is unclear
- You are always allowed to express your opinion
- Search for more than one possible answer

# What is Problem Based Learning?



# What are the objectives of PBL?

- You learn how to formulate questions correctly and independently
- You are stimulated to actively search for information and acquiring knowledge
- You learn how to effectively and efficiently communicate in a group what is valuable skill for your future career
- You are able to formulate new acquired knowledge and present it to a group

# What will you achieve?

## ➔ Personal development

Self-reflection, giving and receiving effective feedback, critical thinking and forming your own opinion



# What will you achieve?

## ➔ Social interaction and communication

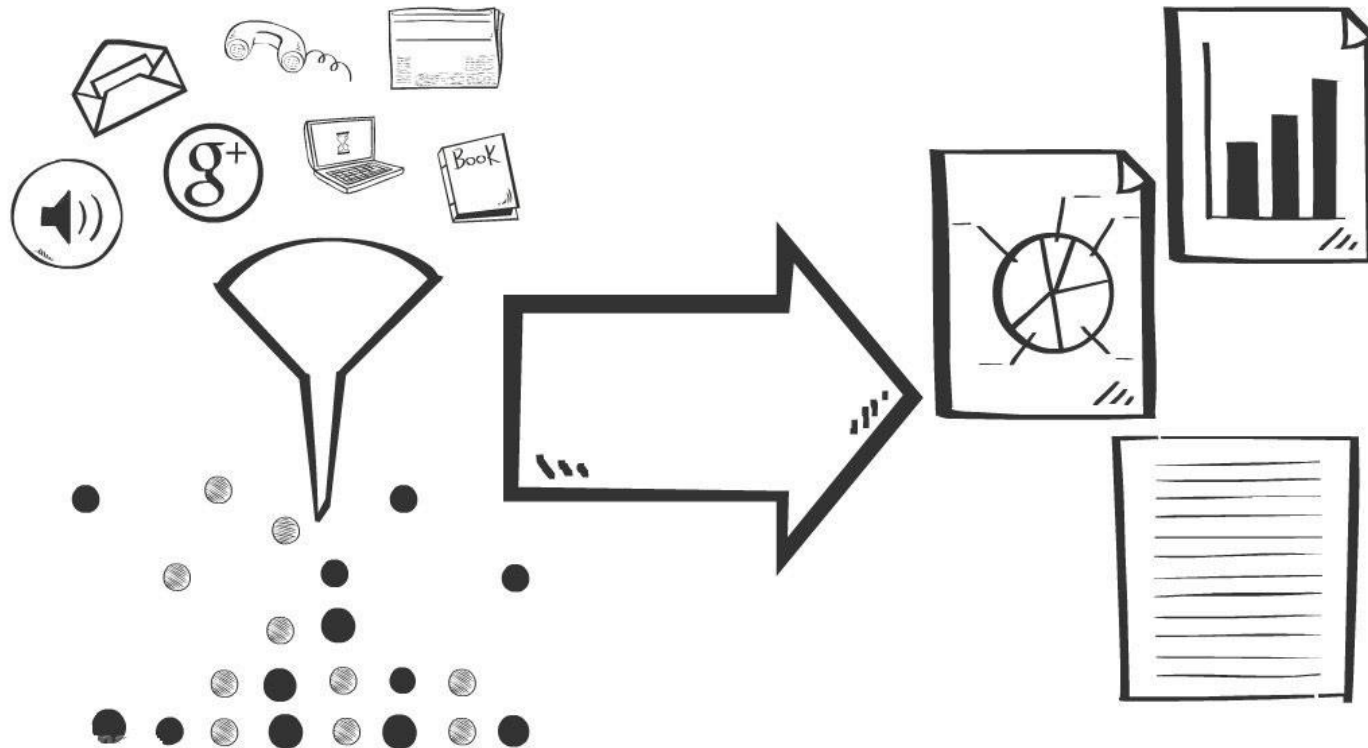
Teamwork, time-management, working to tight deadlines, conflict management, negotiating



# What will you achieve?

## ➔ Information management

Gathering and searching for information, assessing information with respect to value and quality, processing information, identifying relevant sources of information, interview techniques, written and oral summarizing



# Different roles

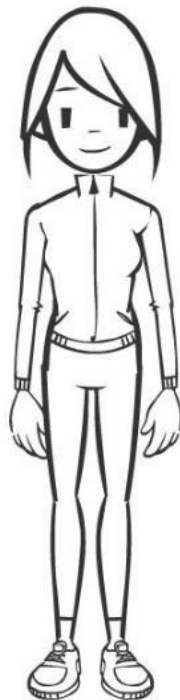
- **Tutor**
  - Is a supervision (teacher)
- **Tasks:**
  - Asking open questions
  - Intervene at the right time
  - Providing information
  - Responding to minutes
  - Evaluation and giving feedback
  - Checking reports



# Different roles

## ➔ Role of chairman

Is also a discussion leader, who provide a structure for the meeting. Chairman ensures logical flow and sequence of topics, manages time during the meetings and 10 step approach must be applied. Role of chairman is also to manage the interaction and cooperation between group members.



Chairman

# Different roles

## ➔ Secretary / Minute taker

Secretary writes detailed report about kick-off meeting. Exact formulation of the main issue and division of processing the sub questions must be introduced. Recommended sources should be mentioned. When structured minutes are created, they may be send to all members and tutor on the same day.



# Different roles

## ➔ Role of Board writer / Scribe

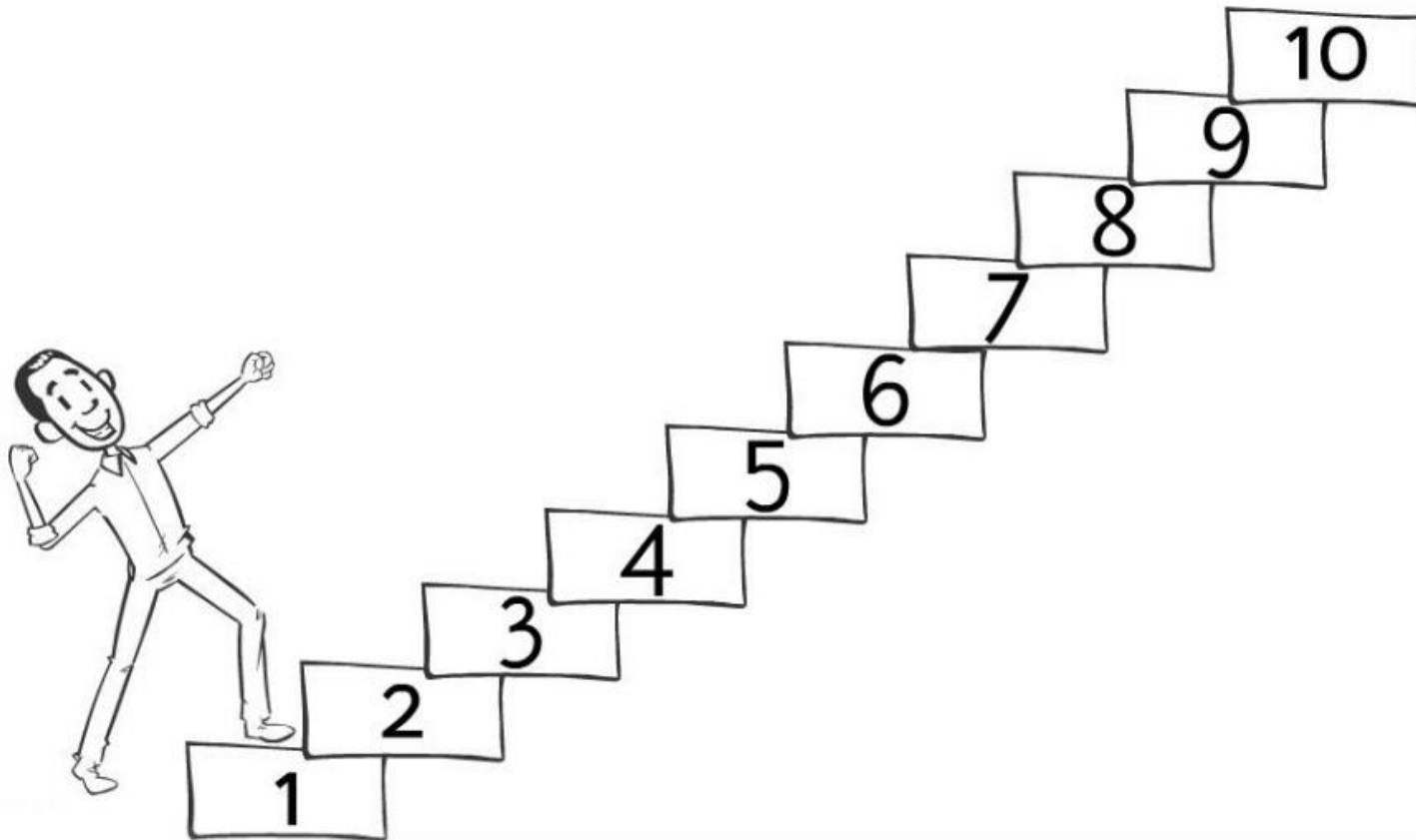
Your task will be to write what is discussed on the board. During brainstorming is very important to write the most, that you will have a lot of input for clustering and creating sub questions



# Different roles

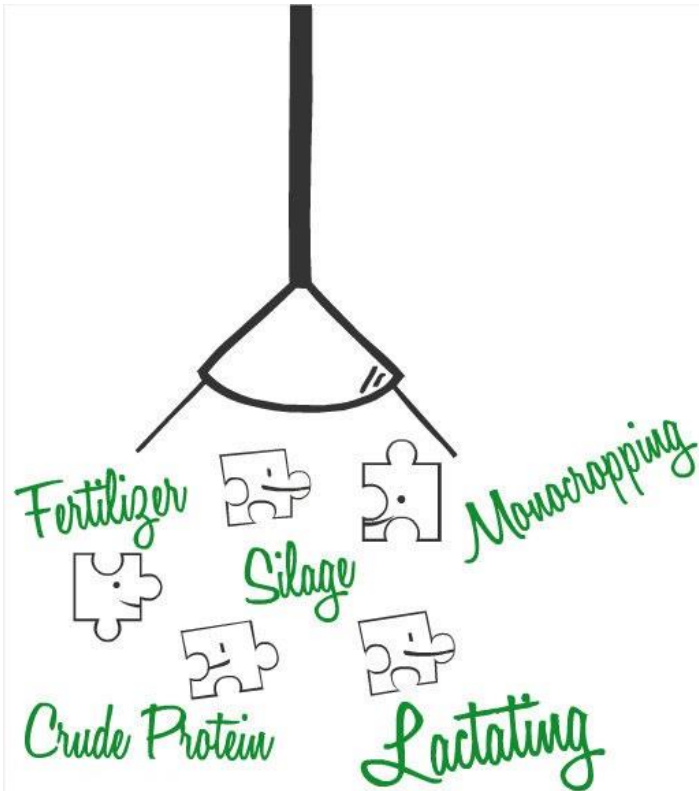
- **Group member**
  - You communicate verbally and non-verbally with fellow members, by exchanging ideas, thoughts, opinions and feelings.
- Your tasks are:
  - Giving information
  - Listening actively
  - Requesting information
  - Giving feedback
  - Asking for and receiving feedback

# How does PBL work?



# Step 1 – preparation for PBL at home

- ➔ **Read the text, clarify terminology and define the main issue**  
Read text twice; write down meaning of unclear words; convert central problem from text to a concrete main issue, write it down; read additional text, as input for kick-off meeting



# Step 2

## During a PBL kick-off meeting

### ➔ Discuss difficult words

Explanations of difficult words that have been found

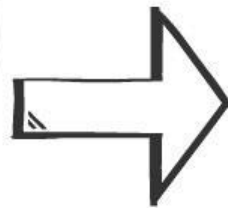


# Step 3

## During a PBL kick-off meeting

### ➔ Define the main issue

Individual suggestions for a main issue are compared, to reach agreement about the best problem formulation.



Main  
issue/problem



# Step 4

## During a PBL kick-off meeting

### ➔ Analyse the problem/brainstorm

Activate your prior knowledge (explanations, alternatives, hypotheses to identify root of the problem); ask specific questions about anything what is unclear; use mind mapping

Infrastructure  
Nutrients  
Milking robots  
Stable  
Labour  
Outside grazing  
Developments  
Feed  
Water  
Average age  
Milking robots  
Lactation

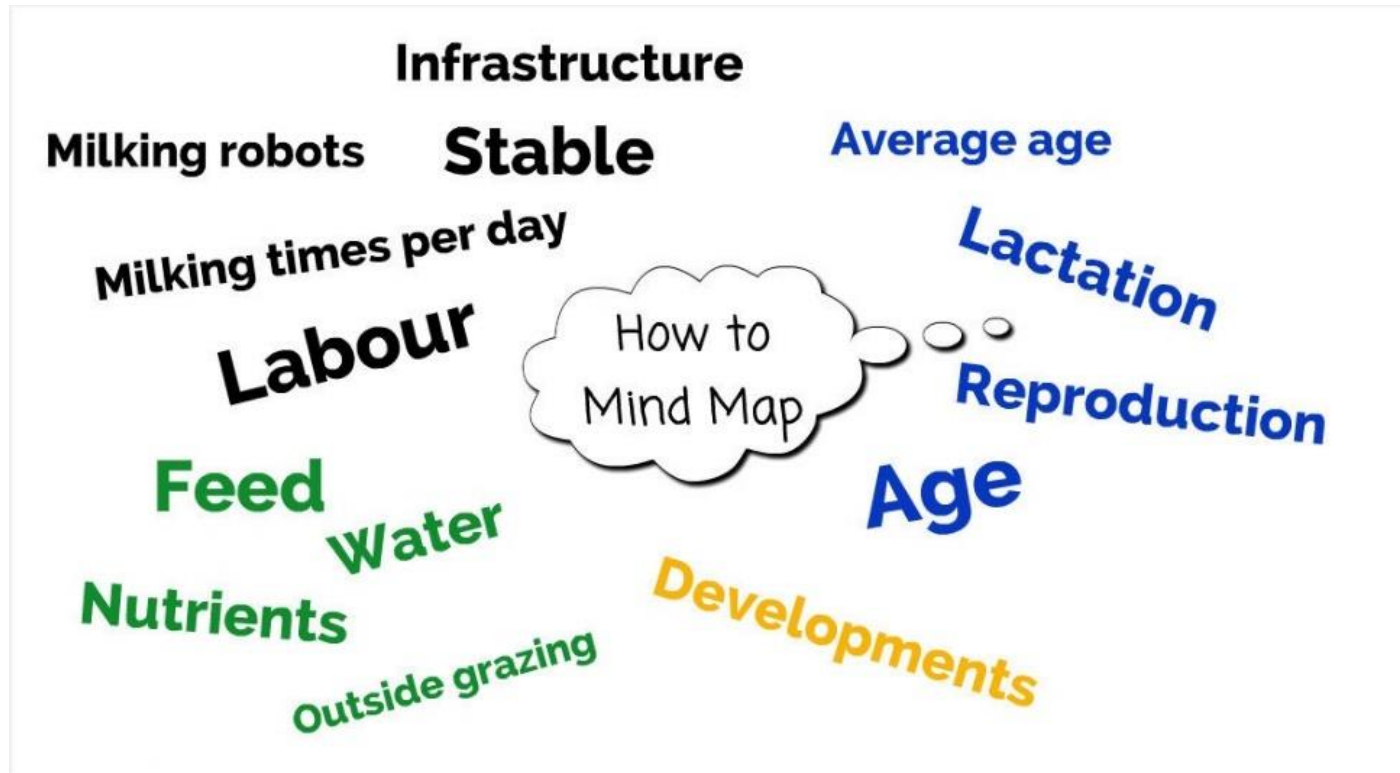
# Step 5

## During a PBL kick-off meeting



### Systematically document problem analyses

Use of mind mapping to structure ideas and knowledge on the board. Use of mind map is for visualizing coherence between items by grouping them together (use colours, numbers or arrows)

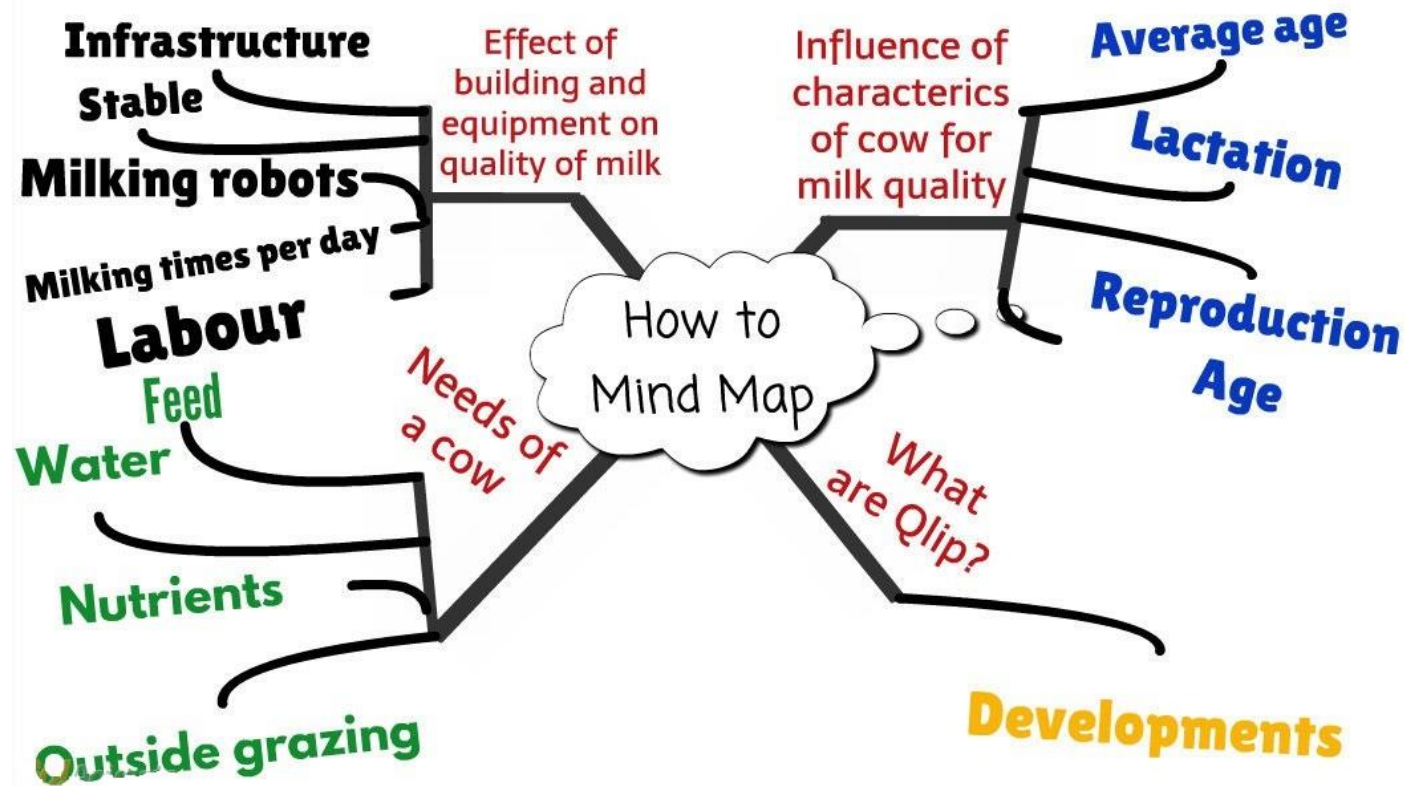


# Step 6

## During a PBL kick-off meeting

### ➔ Formulate sub problems

Use of mind mapping to structure ideas and knowledge on the board. Use of mind map is for visualizing coherence between items by grouping them together (use colours, numbers or arrows)



# Step 7

## During a PBL kick-off meeting

### ➔ Discuss how to tackle the independent study

Discuss which sources can be consulted and define the deliverables for the case closure meeting, write a report and you may be also expected to present results on a flip chart or power point



# Step 8

## During a PBL kick-off meeting

### Carry out independent study

Independent study starts after you receive the minutes of kick-off meeting, by looking, reading and understanding the answers for the sub questions, prepare clear plan. Clear plan will prepare you for closure meeting

## Minutes

### **Sally's Bakery Business Meeting**

09 February 2013

Meeting called to order at 2:30 p.m. by bakery owner Sally Honer.

#### **Employees present:**

Ashley Logan, *Manager*

Taylor Cooper, *Assistant Manager*

Abby Morgan, *Associate*

Mark Sellers, *Baker*

Sharon Bess, *Baker*

#### **Members not present:**

(none)

#### **Approval of minutes:**

- Motion: To approve the minutes for 05 January 2013
- Vote: Motion carried
- Resolved: Minutes from the meeting on 05 January 2013 approved without modification

#### **Business:**

Motion: Owner Sally Honer made a motion to hold baking training seminar on February 26th

Vote: 4 for, 1 opposed

Resolved: Motion carried

Motion: Baker Mark Sellers made a motion to host taste testing session during February 26th training seminar

Vote: 5 for, 0 opposed

Resolved: Motion carried

Motion: Associate Abby Morgan made a motion to get rid of worst seller, red velvet cupcakes

Vote: 2 for, 3 opposed

Resolved: Motion failed

**Meeting adjourned by Sally Honer, bakery owner, at 3:50 p.m.**

# Step 8a

## After a PBL kick-off meeting

### ➔ Select sources

Check recommended sources and study materials for the task in module book, look for relevant sources with sufficient content and depth

## INDIVIDUAL STUDY



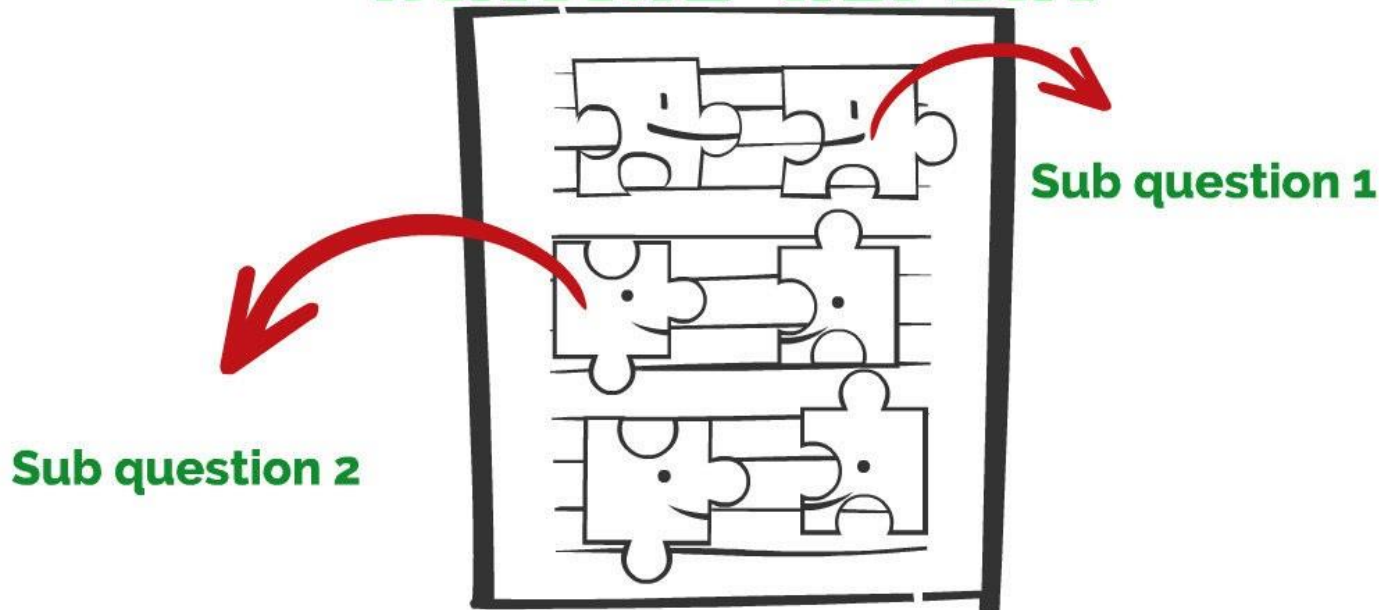
# Step 8b

## After a PBL kick-off meeting

### ➔ Prepare your report

Write a report in which you will formulate answers to the sub questions, make sure you are able orally present all your answers clearly and in your own words

## WRITING REPORT



# Step 9

## During a PBL case closure meeting

### ➔ Complete the task

During a case closure meeting you find if the answers are correct, and during the meeting you are expected to adopt a critical attitude





# Closing up

- What did you learn?
- How will you apply it in Ukraine?
- How can we help you best?