



Measuring vocational competence: An international perspective

24 – 25 May 2012

Location:
European Training Foundation
Viale Settimio Severo, 65-67
Turin, Italy

Symposium Programme

Organiser:

European Training Foundation (ETF) in cooperation with
International COMET Research Network

Thursday, 24th May 2012

SALA EUROPA	Opening Session (Plenary) Moderation Helmut Zelloth	
09.30 – 09:40	Madlen Serban	Welcome European Training Foundation
09:40 – 10:00	Anastasia Fetsi / Ursel Hauschmidt	Introduction to the Theme and Objectives of the Symposium
10:00 – 10:30	Helmut Zelloth	Challenges for competence development of VET students in selected ETF partner countries – can measurement help to overcome these?
10:30 – 11:00	Coffee break	
11:00 – 12:00	Hermann Nehls	Keynote1: Competence Assessment: A further step to establish a Tradition of Quality Assurance in European VET
12:00 – 12:30	Discussion	
12.30 – 13.30	Lunch	
13.30 – 14:30	Felix Rauner	Keynote 2: Measuring and Developing Vocational Competence: A Challenge for International TVET Research
14:30 – 15:30	Workshop 1 (Part 1): Sharing experiences implementing competence measurement in VET <u>Speakers:</u> Martin Gonnermann, Germany Helen Brown, South Africa <u>Participants:</u> Delegations of China, Germany, Norway, South Africa, Switzerland <u>Moderation:</u> Felix Rauner	Workshop 2: Introduction into the COMET methodology (Part 1) (This session addresses participants who are less familiar with competence diagnostics) 1. The COMET approach: conceptual framework and foundation 2. The concept of holistic problem solving of vocational tasks 3. Test tasks and solution space 4. Rating procedure <u>Workshop moderation:</u> Lars Heinemann, Ursel Hauschmidt
15:30 – 16:00	Coffee break	
16:00 – 17.30	Workshop 1 (Part 2): Sharing experiences... <u>Speakers:</u> Zhiqun Zhao, China Peter Marbet, Switzerland Haege Nore, Norway	Workshop 2: Introduction (Part 2) 5. Vocational identity and commitment 6. Findings /representations(examples)
17.30 – 17.45	Dagmar Ouzoun	Conclusions of Day 1
19.30	Official dinner	

Friday, 25th May 2012 Morning 9:00 – 12:30

9:00 – 9:15 Ursel Hauschmidt Introduction to the Working Groups

Working Group A:

International comparative studies and context research: Status quo and perspectives

(Sala Europa)

International experiences and results are available in Electronics technician (Germany, China, South Africa) and Car mechatronics (Germany, China)

This session will review and summarise the main achievements, in particular the benefits of competence measurement for concrete problem solving in TVET planning and management, as well as for teachers and learners. The working group will also elaborate a research framework for the performance of international comparative studies, which indicates:

1. Which countries and vocations will participate and contribute to the COMET project
2. What needs to be done to adapt the methodology to low- and middle-income countries (ETF partner countries)
3. A differentiation according to the participating vocational tracks (as the case may be, also teachers and trainers)
4. Which further vocations shall be examined within the frame of the COMET project and who will get involved in the development of test tasks
5. Whether any country specific transfer problems could arise and how these could be solved
6. Where, how and when international research findings will be published or presented.

Besides the assessment of professional competence the COMET concept of competence diagnostics also includes surveys on the development of vocational identity and commitment. According to the state of the art in TVET research there is a close relation between the development of vocational competence and the development of vocational identity/occupational commitment.

This working group will discuss

1. possible application of the existing measurement instrument
2. whether any additional context research instruments should be developed in order to reach a greater depth in the analysis and interpretation of research results

The group will elaborate a scheme for an extension to the context surveys that take into consideration all personal and institutional parameters of TVET.

Inputs

Martin Gonnermann, Changwen Cai, Renate Fischer, Trine Deichmann-Soerensen, Ursel Hauschmidt/Lars Heinemann, Peter Marbet, Deon Borchjes

Moderation

Manfred Wallenborn/Lars Heinemann

Working Group B: Evaluation of competences for VET teachers and trainers (Sala Venezia)

In an initial sub-project (COMET Beijing) a group of 39 teachers (electrical engineering/electronics) took part in the test. If the vocational-pedagogical and subject-specific teaching competence of the VET teachers and trainers is to be tested as well, a competence and testing model needs to be developed. This working group

1. assesses a competence and measurement instrument for teachers and trainers taking into consideration international comparability and applicability
2. develops a programme for the psychometric validation of the measurement concept
3. discusses a possible design for the implementation of the a research project regarding the contextual validity of this test concept
4. develops a programme for international comparative studies.

Inputs Zhiqun Zhao, Jürgen Lehberger, Waldemar Bauer, Felix Rauner
Moderation Dagmar Ouzoun/Felix Rauner

Working Group C: Test results and innovation transfer (Sala Roma)

What are the key results of the COMET research and what is their meaning and relevance from a scientific and VET policy point of view? Questions addressed in this session are:

1. the weight and relevance of test results with regard to reform initiatives of VET systems
2. practical meaning and consequences of the results for VET teachers and trainers
3. consequences for the shaping and organisation of vocational learning processes
4. factors determining the variance of test result/elaboration of a further research and development programme:
 - establishing national and international Graduate programmes (Ph.D.)
 - conducting further psychometric analysis for the COMET test instruments
 - the consideration of vocations in the fields of personal services and health care
 - the evaluation of VET teaching and training
 - the shaping of final examinations to evaluate vocational maturity.

Inputs Martin Gonnermann, Holger Bös, Helen Brown
Moderation Hermann Nehls/Helmut Zelloth

12.30 – 13.30

Lunch

13:30 – 15:00

Workshops A-C to be continued

Elaboration of working group results for plenary discussion

15:00 – 15:30

Coffee break

15:30 – 17:00

Plenary discussion: Perspectives of international co-operation in competence measurement &research
Moderation: Manfred Wallenborn

Workshop A

Lars Heinemann

Workshop B

Zhiqun Zhao

Workshop C

Hermann Nehls

17:00 – 17:15

Synthesis and conclusions
Felix Rauner/Helmut Zelloth

17:15

End of Symposium

List of Participants and Contributors

Australia

Brian Knight

National Centre for Vocational Education Research,
Adelaide

Belarus

Olga Dekhtiarenko

Republican Institute for Vocational Education, Minsk

Brasil

**Prof. Waldemar Bauer
Luiz Caruso**

Universität Erfurt, Fakultät Erziehungswissenschaften,
Serviço Nacional de Aprendizagem Industrial (Senai),
Brasil

CEDEFOP

Hermann Nehls

Chair of the Governing Board, Cedefop, Thessaloniki
Confederation of German Trade Unions, Department
Education, Qualification, Policy Research, Germany

China

Prof. Zhiqun Zhao

Beijing Normal University, Institute of Vocational and
Adult Education, Beijing

Changwen Cai

Guangzhou Master School for Transportation,
Guangzhou

ETF

Anastasia Fetsi

Thematic Expertise Development Department, European
Training Foundation (ETF), Turin

Helmut Zelloth

Thematic Expertise Development Department, Turin

Dr. Manfred Wallenborn

Thematic Expertise Development Department, Turin

Dagmar Ouzoun

Geographical Operations Department, ETF, Turin

Germany

Holger Bös

Ludwig-Geißler-Schule, Hanau

Prof. Ralph Dreher

University of Wuppertal, Wuppertal

Martin Gonnermann

Schulleiter Berufliche Schulen Groß Gerau, Leiter der

Hessischen Landesstelle für Technologiefortbildung

Ursel Hauschmidt

University of Bremen, TVET Research Group, Bremen

Dr. Lars Heinemann

University of Bremen, TVET Research Group, Bremen

Prof. Felix Rauner University of Bremen, TVET Research Group, Bremen

PD Manuel Schulz* Helmut-Schmidt-Universität, Hamburg

Kazakhstan

Madina Arkhabayeva
Adlan Utemissov

Ministry of Education and Science, Astana
Republican Scientific Methodical Centre of Technical and Vocational Education, Astana

Kosovo

Christoph Heil*

Centres of Competence, VET reform project, GIZ Pristhina

Lebanon

Sonia Fontaine*

SME Development and Dual System project, Beirut

Norway

Prof. Trine Deichmann-Soerensen

Institute of Vocational Teacher Education, Akerhus University College, Oslo and Akerhus

Prof. Leif Christian Lahn

Akerhus University College, Oslo and Akerhus

Prof. Hæge Nore

Akerhus University College, Oslo and Akerhus

Occupied Palestinian Territory

Osama Eshtayeh

Vocational Schools Department, Ministry of Education and Higher Education, Ramallah

Ahmed Othman

Testing Department, Ministry of Education and Higher Education, Ramallah

Nazieh Mardawi

Federation of Palestinian Chambers of Commerce, Industry and Agriculture, Jerusalem

Russia

Anna Muravieva

Centre for VET Studies, Moscow

South Africa

Gregory Wyne Adams

Operations Office, The Manufacturing, Engineering and Related Services Sector Education and Training Authority (MerSETA), Johannesburg
Learning Education Training and Quality Assurance (LETQA), The Manufacturing, Engineering and Related Services Sector Education and Training Authority (MerSETA), Johannesburg, South Africa

Jacobus P.C. Basson

Helen Brown

The Manufacturing, Engineering and Related Services Sector Education and Training Authority (MerSETA), Johannesburg

Switzerland

Peter Marbet

Berner Bildungszentrum, Bern

Turkey

Yucel Yuksel

General Directorate for VTE, Ministry of National Education, Ankara

Dr. Huseyin Sirin

National Board of Education, Ankara

Semsettin Ozdemir

Alfa Dokum Ltd. Co., Ankara

Ukraine

Olena Lokshyna*

Comparative Education Laboratory, National Academy of Pedagogical Sciences, Kiev

Vietnam

Prof. Nguyen Khan

Department of Technical and Vocational Education, Ministry of Education & Training, Hanoi

*to be confirmed