# The conceptual shaping of learning outcomes: 

Insights from the Future of VET study
Monika Auzinger
3s
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## Research \& Consulting

for Lifelong Learning

## Obectives of today's input

_ Brief introduction of the Future of VET study
_ Findings on the distinction between knowledge, skills and competence in curricula, and on the organisation of learning across different learning sites
_ Observations on the alignment between intended learning outcomes, the learning process and assessment criteria
_ A basis for fruitful discussions

## Old and New Challenges for Vocational Education and Training



Knowledge-economy, academisation, bullshit jobs?

Platform economy, microwork, task markets, Neo-Fordism.

## The 'Bigger Picture': Cedefop study on the Future of VET in Europe (2020-2022)


https://www.cedefop.europa.eu/en/projects/future-vet

## The 'Bigger Picture': Cedefop study on the Future of VET in Europe (2020-2022)

We know surprisingly little about how the structure and content of VET curricula and programmes actually interact with changes in the wider economy and society, especially in the long term.


The changing interaction between IVET and CVET

## The 'Bigger Picture': Cedefop study on the Future of VET in Europe (2020-2022)



The conceptual shaping of learning outcomes in European IVET: Insights from the Future of VET study

## A (over?)simplified categorisation of knowledge and skills in IVET curricula for our study



## The changing content and profile of VET 1995-2020: general observations from the Future of VET study

__ Increased level of authority and autonomy to regional and local levels
__ Incremental changes to VET curricula
__ Shift to learning-outcomes-based approaches firmly anchored as an important principle of curriculum design (partly alongside competence-based approaches)
__ Considerable variations in approaches to integrate vocational and general education content
__ Individualisation and modularisation add complexity to the research task
__ Vocational curriculum on paper (explicit or written curriculum) as focal point

## How has the balance between occupation-specific skills, general subjects, and transversal skills in IVET evolved over time?

_ _ Distinction between general and vocational subjects or skills common across IVET curricula
__ Strengthened general education component of VET programmes (through increased teaching in general subjects or better integration into vocational curriculum)
__ Increase in workplace learning in IVET curricula is ubiquitous (alongside greater emphasis on GE skills)
__ Only few examples of increase in the vocational skills component
__ Workplace learning more integrated into the learning process

## Example: changing balance between general and vocational components in Czech VET

|  |  |  | General component |  | Vocational component |  | TOTAL |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Form of study | Period | Length of study | Length per week | \% | Hours per week | \% | Hours per week | Ratio (weekly hours per year) |
| $\begin{aligned} & \text { ISCED } \\ & \text { 3C } \\ & \text { (353) } \end{aligned}$ | $\begin{aligned} & \text { Before } \\ & 1989 \end{aligned}$ | 3 | 38 | 37\% | 66 | 63\% | 103 | 35 |
|  | 1990-97 | 3 | 28 | 28\% | 72 | 72\% | 100 | 33 |
|  | $\begin{aligned} & 1998- \\ & 2004 \end{aligned}$ | 3 | 29 | 29\% | 70 | 71\% | 98 | 33 |
|  | After 2004 | 3 | 28 | 30\% | 71 | 72\% | 99 | 33 |
| $\begin{aligned} & \hline \text { ISCED } \\ & 3 A \\ & \text { (354) } \end{aligned}$ | Before 1989 | 4 | 51 | 39\% | 80 | 61\% | 131 | 33 |
|  | 1990-97 | 4 | 54 | 41\% | 78 | 59\% | 132 | 33 |
|  | $\begin{aligned} & 1998- \\ & 2004 \end{aligned}$ | 4 | 53 | 39\% | 82 | 61\% | 134 | 34 |
|  | After <br> 2004 | 4 | 69 | 52\% | 64 | 48\% | 132 | 33 |

Note: Some subjects (ICT and economics) were moved from the vocational component to the general education component.

## Example: minimum level of competences in Finnish VET

 qualifications - business and administration| Year | Common studies (\%3) | Voeational studies (\%) | Optional studies (\%) |
| :--- | ---: | ---: | ---: |
| 1990 | $38 \%$ | $55 \%$ | $7 \%$ |
| 1992 | $44 \%$ | $48 \%$ | $8 \%$ |
| 2000 | $17 \%$ | $67 \%$ | $16 \%$ |
| 2017 | $19 \%$ | $62 \%$ | $19 \%$ |

## Example: comparison of Austrian VET college curricula

Findings for school-based VET in Austria suggest both an increase in workplace learning and in practical learning in workshops over time. When analysing individual qualifications, the picture becomes more differentiated.

| Curricular categories | Higher VET college for mechanical engineering (EQF 5) |  | Higher VET college for business administration (EQF 5) |  |
| :---: | :---: | :---: | :---: | :---: |
| Year of curriculum | 1993 | 2015 | 1994 | 2014 |
| General education subjects | 37\% | 41\% | 53\% | 50\% |
| Uccupation-speciric ineory | 40\% | 36\% | 36\% | 33\% |
| Occupation-specific practical learning | 19\% | 18\% | 11\% | 11\% |
| Work placement | 4\% | 4\% | 0\% | 5\% |
|  | 100\% | 100\% | 100\% | 100\% |
| Total number of hours of education and training | 7,441 | 6,931 | 6,014 | 5,956 |
| Programme duration in years | 5 | 5 | 5 | 5 |
| Number of hours of education and training per year | 1488 | 1386 | 1203 | 1191 |

## How has the balance between occupation-specific skills, general subjects, and transversal skills in IVET evolved over time?

changing
content of
_ Key trend: transversal skills increasingly visible in reference documents (e.g. curricula)
_ BUT: expressed in a variety of different forms and may be included both in general education and vocational content, or indirectly covered via teaching approaches/methodes

Increased emphasis on transversal LO may be both a
sign of either vocational or academic drift

## Insights from the VET provider survey: expected future emphasis on transversal/soft skills

$\{$ Thinking about the next ten years, the emphasis we put on transversal/soft skills will....


Zooming in on assessment: selected key findings on alignment and assessment of transversal skills

__ Alignment: evidence of increased use of assessment standards - strengthened by the shift to LO
__ Observed coherence between intended LO, delivery and assessment
__ Key issue: 'getting the balance right'
__ Increased emphasis on assessment of learners' transversal skills (though more evident for formative than summative assessment)

## Insights from the VET provider survey: expected future change in the use of assessment standards based on learning outcomes

$\left\{\begin{array}{l}\text { Thinking about the next } \uparrow \bigcirc \text { years, the use of assessment standards based on learning } \\ \text { outcomes at our institution will... }\end{array}\right\}$


[^0]
## Some concluding remarks

__ Assessing the significance of change comparatively on the basis of reference documents and reports is challenging and not without caveat.
__ Comparisons of the balance between different types of knowledge and skills were ,easiest' when timetables (comparison based on workload or teaching hours!) were available.
_ Analysing and comparing VET content becomes more complex with the general transition to learning outcomes based appraoches and when optional elements/electives play an important role.
__ The ambivalent position of transversal LO points to a need for more research both on the written and enacted curriculum.

## The Future of VET in Europe: volume 1



## \& more forthcoming...

## Thank you!

Monika Auzinger, 3s
monika.auzinger@3s.co.at


[^0]:    Source: VET provider survey. Data from selected countries. $\mathrm{n}=893$.

