# Activity analysis: developing terminology for the influence of the physical environment in occupational performance

OSLO MET

Ergoterapi Virksomhetsbasert Aktivitetsanalysesystem (EVA) - *Occupational therapy occupation based activity analyses system* is originally a teaching tool that has in recent years been taken in use by occupational therapists to observe occupational performance in a variety of settings. The EVA-project is a collaboration between the Oslo OT-programme and clinicians to develop and validate the system and it's terminology. This diagram illustrates the EVA-system which comprises of a selection og forms orientated towards different components of the Person-Environment-Occupation system. The highlighted fields refer to forms that have been validated or quality controlled and where relevant the source of their items/terminolgy is given. There are as yet no systematically validated forms pertaining to the environment—the *Physical environment* form (highlighted in red) is the subject of this presentation.
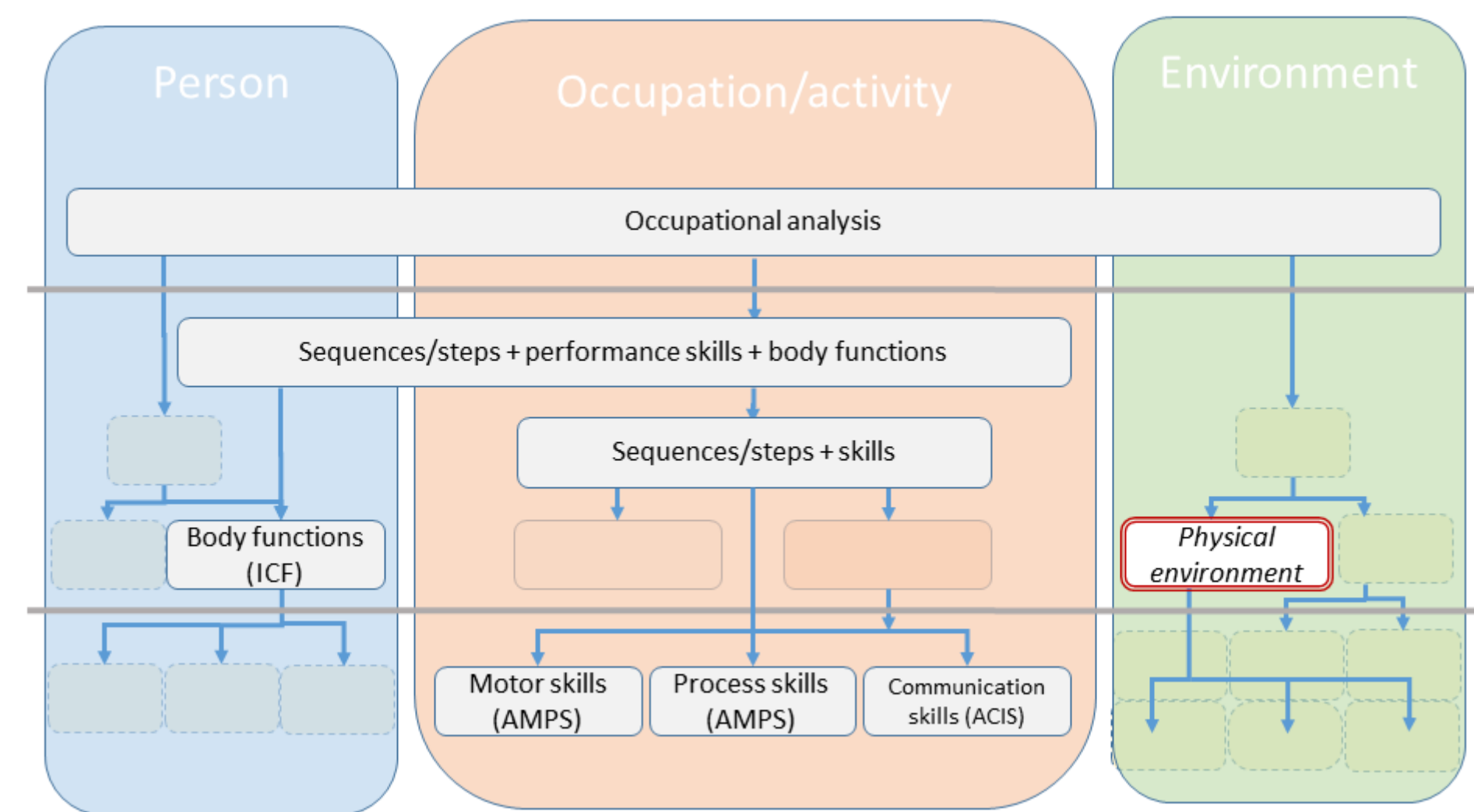
THE GOAL: To further develop the EVA-system as a comprehensive, flexible occupational/activity analysis tool for use in any occupational setting with any occupational form.

THE CHALLENGE: The current EVA-system lacks a systematically set of forms (items and terms) to analyse/ evaluate the impact of the environment on occupational performance. Despite the importance of the environment in OT models, only general categories seem to be used to describe environmental factors. The same can be said for activity analysis litterature! Tools developed to analyse/ assess environments are often context spesific and generally focus on defined spaces and objects.

So.. How to develop a generally applicable set of terms for the analysis of the characteristics of the physical environment on occupational performance.

Source	Type	Level of analysis	Terminolgy
MOHO	Model	General	Accessibility and safety of space, Adequacy of space, Choices of space, Visual and cognitive supports, Sensory qualities, Overall appearance, Availability of objects, Adequacy of objects, + Complexity, Flexibility, Symbolic meaning
CMOP	Model	General	?
Residential Environment Impact Scale (REIS)	Assess-ment	Mix of general and situation/ object spesific	Space Safety and Accessibility of Physical Space: Adequacy of Space, Sensory Environment, Cognitive and Visual Supports, Homelike Qualities. Natural Environment, Objects and Equipment ADL/IADL Objects Leisure Objects, Adaptive Equipment
Willard and Spackmann	Activity analysis	General	Identifies contexts og objects that shouild be considered—no spesific items/terms for impact
Thomas	Activity analysis	None	Not included in activity analysis
Housing Enabler	Assess-ment	Situation/object spesific	Example: Entrance: stairs, ramps, elevator, seating;
ICF	Model	General	Products and technology, natural environment and human made changes..
Universal design	Guidelines	General	Equitable use, Flexibility in use, Simple and intuitive, Perceptible information, Tolerance for er error, Low physical effort, Size and space for access and use..

THE SOLUTION? In the current version og EVA we see that terms relating to; the persons motivation and capacity tend to be NOUNS—describing what they HAVE and bring to the activity (rated by demand in performance): occupational performance skills er VERBS—describing what the person DOES (rated by effectiveness of performance).

Could terms relating to the environment be ADJECTIVES—describing the CHARACTERISTICS of the space and objects (and be rated by impact on performance)?

YOUR INPUT? Would you like to contribute suggestions for items for the analysis of the physical environment? What do you consider when you observe the characteristics of the physical environment that impact performance. Write down some adjectives, for example high, heavy, quiet.. Will patterns and categories emerge that can be the basis for further development of an itemized analysis form?

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EVA