Electronic Portfolio Assessment and Support System

We believe that everyone has the right to continuous professional development, to lifelong learning. It is our remit to facilitate and improve learning and assessment processes by linking technical expertise and scientific knowledge up with daily practice so as to offer a custom-made electronic portfolio, tailored to the users' wishes and needs. This allows us to achieve our primary goal: giving professionals the opportunity to perform to the best of their abilities.

Lifelong Learning

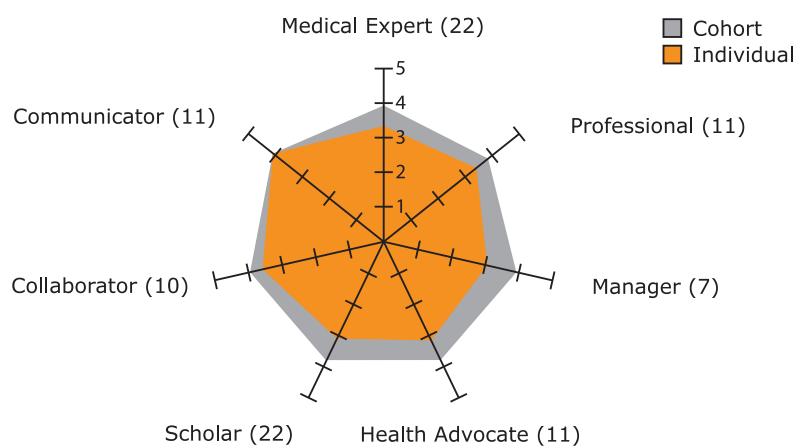## Scientific knowledge, academic research & technical expertise

Thriving on years of academic educational research, EPASS is an IT system that accommodates the accumulation of all information in a portfolio and offers multiple ways to extract and visualise information for educational purposes.

Custom-made portfolios

EPASS can be easily adapted to the specific requirements and features of various international educational tracks (at bachelor's, master's and postgraduate level), and currently has more than 25,000 users from across a wide-ranging arena, specifically:
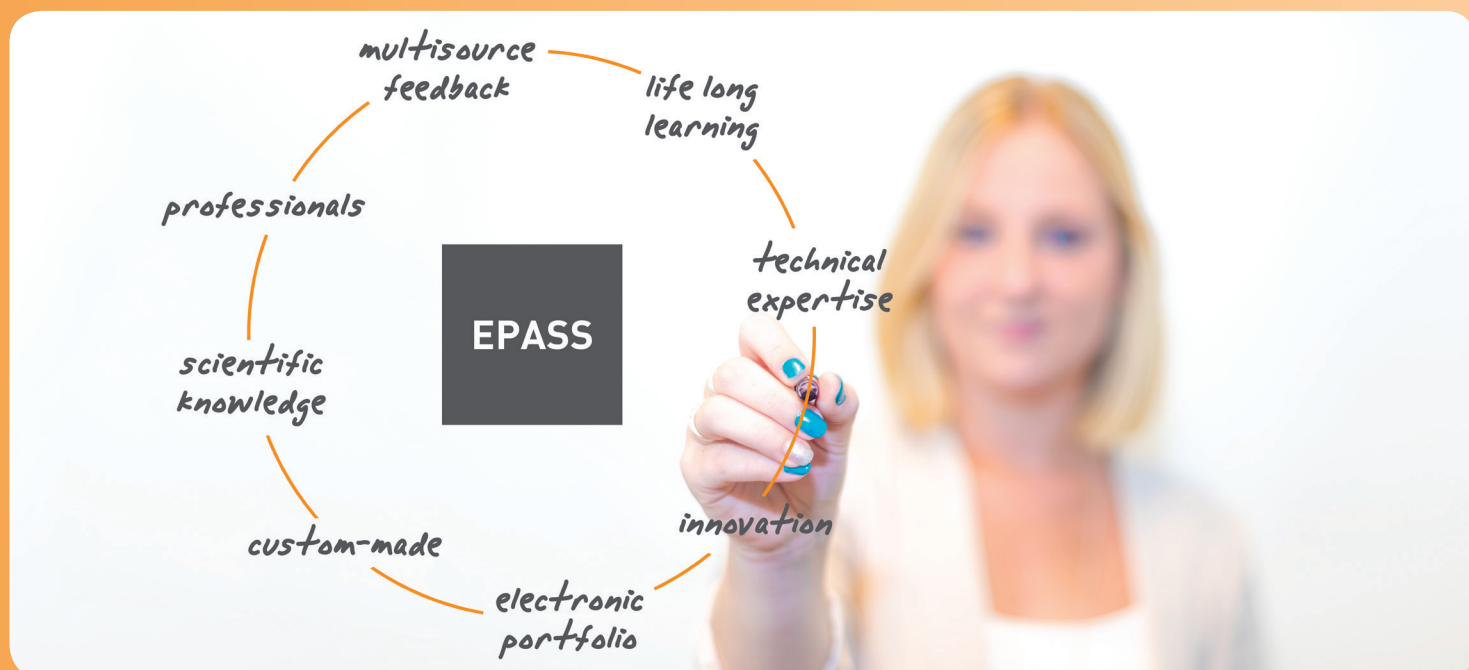
» Undergraduate Medical Education
» the Physician-Clinical Investigator Master's Programme ("Arts-Klinisch Onderzoeker")
» Postgraduate Medical Education (approx. 17 specialties)
» Master's programmes in Nursing
» Veterinary Medicine
» Clinical Technology
» the Health Sciences
» the Biomedical Sciences
» Teacher Trainings
» the Faculty of Law
» Advanced Nursing Practice
» Physician Assistants

» medical specialists, receiving feedback on their performance from colleagues and patients (IFMS / CPD) and residents (MCTQ)
» evaluation of educational climate (DRECT)

Example of a radar chart based on the CanMeds competency framework

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Features of our electronic portfolio

EPASS delivers a wealth of formative and summative assessment tools, the content of which has been tailored to educational wishes and needs. We believe that a portfolio should fit in with daily practice.

Personal Development Plan

The development and learning plans of a professional (in training or otherwise) can be recorded in a personal development plan. Evidence substantiating these pre-defined plans can be collected in the portfolio by registering formative and summative assessment tools, and other evidence such as scientific activities, publications, letters from colleagues, or abstracts for oral presentations.
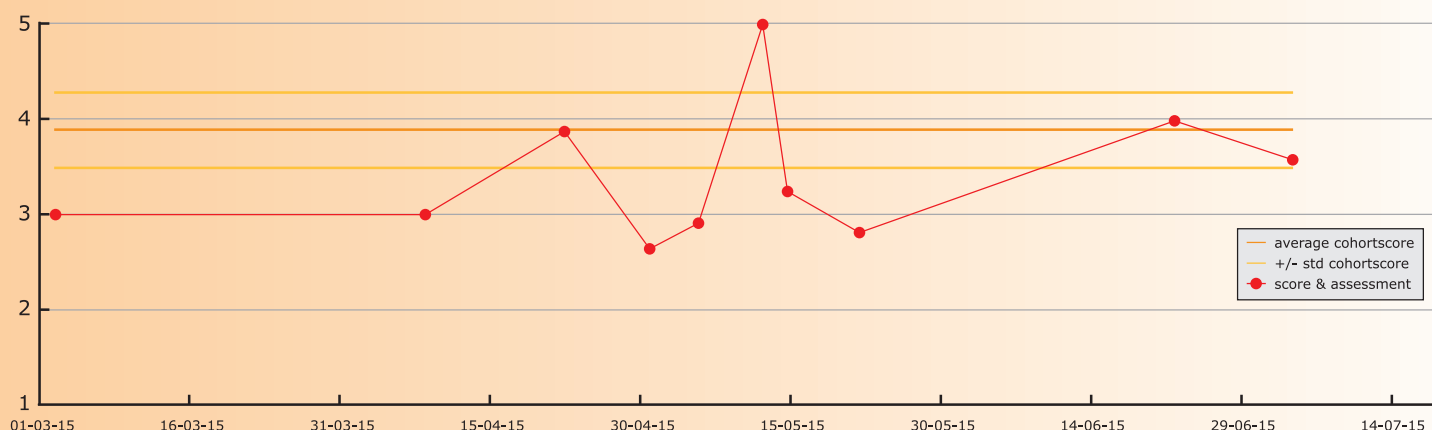
Assessment *for* learning

Assessment tools allow for the collection of specific information about the performance and development of the professional, and this within the overarching competency framework. It is possible to design formative assessment tools on the basis of, amongst others, Mini-Clinical Evaluation Exercise (Mini-CEX) forms, Entrustable Professional Activities (EPA), reflection forms, presentation feedback forms and peer assessments.

Form	Date	Concerning
field note	Filter...	Filter...
● S Field note	15-11-2013	Hemorrhagic shock.
● IM Field note	11-11-2013	Elaborated case of HIV patient
● IM Field note	08-11-2013	Presentation of patient with ketoacidosis
● IM Field note	07-11-2013	Evaluation of discharge letter for geriatric patient.

Example of an assessment tools overview in undergraduate medical education (clerkships)

Learning & Assessment

By choosing from amongst several display modes, such as the radar, line and bar chart, the progress of the professional can be closely monitored. The scores used for these visualizations are abstracted from the assessment tools. The charts bring into focus time periods and competencies or sub competencies and make it possible to compare the results of the individual professional with those of his peers. Likewise, the user can choose between a range of narrative feedback overviews that contribute to a better understanding of the current stage of development.

Multisource Feedback

As part of the multisource feedback procedure, a host of different people working alongside the professional will be invited to provide feedback on the professionals' performance by completing an evaluation form. The professional himself completes a self-evaluation form. As soon as this multisource feedback round has closed, the self-evaluation will be compared with the statistical results of all the other evaluations and automatically presented in a radar chart as well as displayed numerically and organised in a so-called feedback report in the form of anonymous, written descriptions.

Reflection

EPASS offers ample opportunity for reflection and for gaining insight into the professionals' development. Examples are: self-reflection forms, strengths-weaknesses analyses, critical incident reports, etc.

Assessment *of* learning

It is possible to assign high-stakes assessments of the professional's performance and development based on all the information collected in the portfolio and the accumulated progress and competency overviews. Some examples are: final assessments and declarations of competences for professional activities on various levels of supervision.

Declaration of competence

Registration ⇕	Number ⇕	Level 1 ⇕	Level 2 ⇕	Level 3 ⇕
spontaneous vertex birth	30	🟢	🟢	
repair of 2nd degree obstetrical laceration	20	🟢	🟠	
performance of episiotomy	22	🟢		
micro blood test	19	🟢	🟢	
use of intrauterine pressure catheter	70	🟢	🟢	🔴
management of post partum haemorrhage	35	🟢		
newborn resuscitation	65		🟢	

Example from a gynaecology portfolio (postgraduate medical training)

EPASS & innovation

EPASS keeps close track of new technological and educational insights. Think of:

» Academic research on the content, configuration and use of the different portfolios;
» RAPP-it: an app that facilitates easy storage of reflections by means of audio and video recordings, images and notes;
» Video annotation module;
» Learning analytics tools (e.g. tools developed in the European WATCHME project);
» Mobile web application: in order to easily add assessment tools to the portfolio using mobile devices;
» Mindmap-based reflection;
» Inclusion of milestones and EPAs;
» Single sign-on (SSO) functionality: one-time login to access all personal accounts;
» Create reports for visits by the review committee and policy-making.

EPASS offers plenty of opportunity to facilitate and to optimally improve the learning and assessment processes, by providing a custom-made portfolio tailored to the curriculum and to the requirements.

EPASS

Contact

If you require any further information about EPASS,
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