



Innovative Medicines Initiative

EMTRAIN

Training Future Open Innovation Practitioners in the biomedical Area

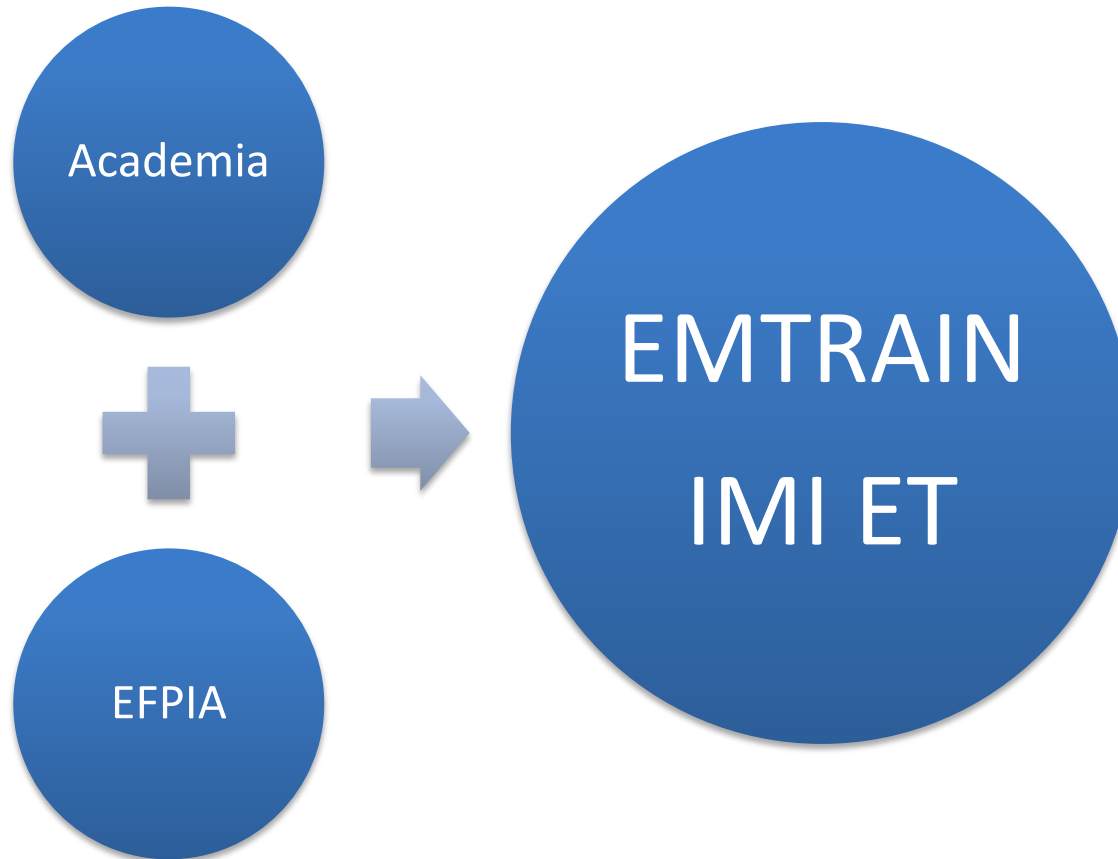
Ghazaleh Gouya
Medical University Vienna

YOU CAN RESIST AN INVADING ARMY;
YOU CANNOT RESIST AN IDEA WHOSE
TIME HAS COME.

VICTOR HUGO (1802-1885)



Open Innovation Training



IMI Education and Training Projects



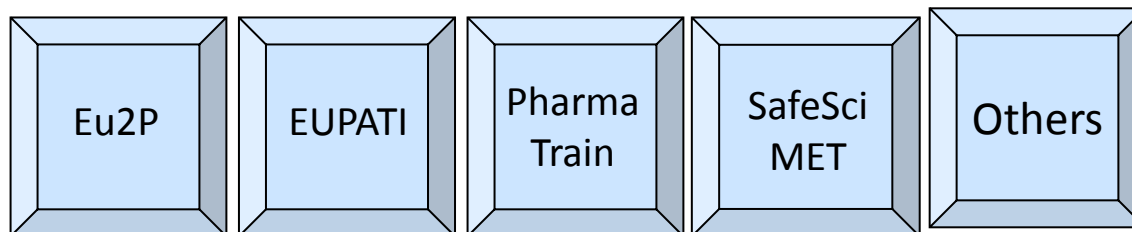
European Modular Education and Training Programme
in Safety Sciences for Medicines



European Medicines Research Training Network



Pharmaceutical Medicine Training
Programmes





European Medicines Research
Training Network



www.emtrain.eu

on-course

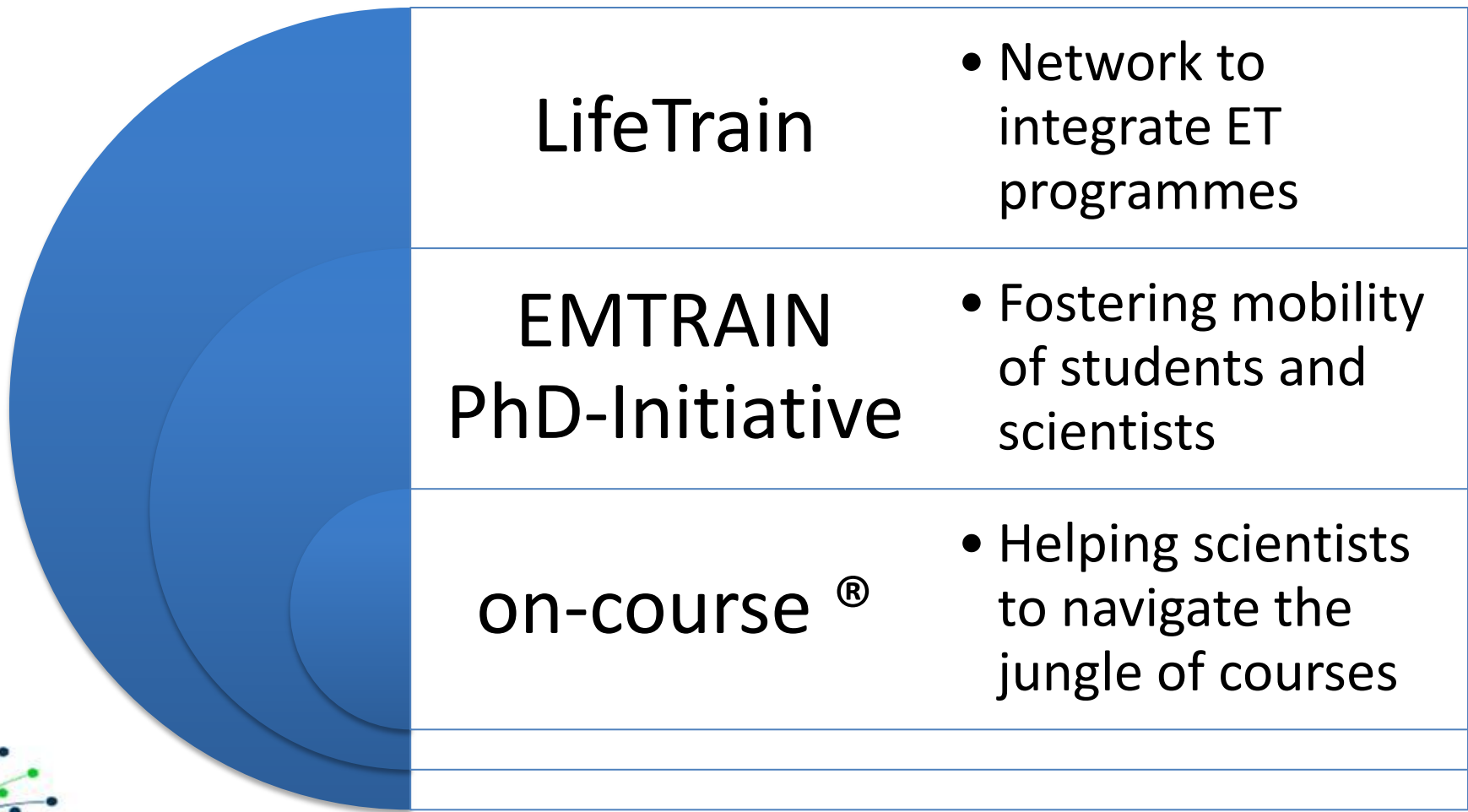


inspiring science

*The most comprehensive free source for
Master, PhD and CPD programmes.*



EMTRAIN - Achievements



Every professional in the biomedical sciences needs to develop and maintain an optimal level of professional competence, in order to contribute to speeding up the development of better and safer medicines for patients.



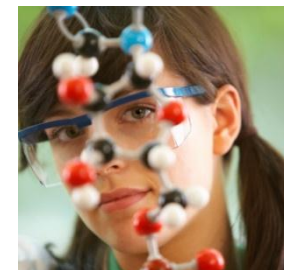
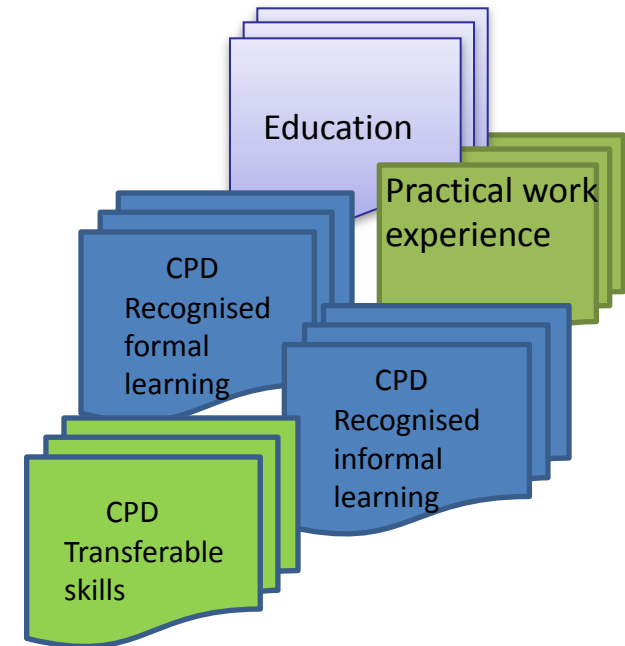
Continuing Professional Development (CPD) is essential and should be driven by each individual in agreement with their employer and in compliance with the requirements of the respective Professional Bodies.



LifeTrain Messages



An individual competency portfolio should capture all relevant information in a transparent, easy-to-understand way in order to facilitate mobility between: scientific disciplines; health authorities, academia and industry; jobs and countries; and to support career development.



LifeTrain Messages



Professional training courses should be developed and delivered in collaboration between industry and expert course providers. They should meet the needs of adult-learners and should be available on on-course®



A personalised portfolio of competencies



Portfolio



LifeTrain

Modules/courses recognised by professional bodies whose quality standards align with IMI's

IFAAP
recognized
CPD

EuroTox-
recognized
CPD

Courses not currently recognised by a professional body but that meet IMI E&T Shared Quality Standard

Meets IMI E&T
Shared Quality
Standard

Informal learning/
vocational
education &
training (VET)

Employer-
recognised
CPD

on-course®

IMI E&T modules

PharmaTrain

SafeSciMET

Eu2P



- Extensive CPD database
- Stakeholder interactions
- **Professional Bodies**
 - LifeTrain I Workshop Oct 2011
 - Concept Paper – wide consultation
- **Employers and course providers**
- LifeTrain II Workshop Nov 2012
- Implementation of change 2012 – 2013



Towards a Common Framework for Continuing Professional Development in the Biomedical Sciences*: A Consultation Paper Based on the First IMI Education and Training LifeTrain Workshop, Manchester, 4-5 October 2011

Introduction

In recent years Europe has been struggling to prevent further erosion of its research infrastructure against a background of increasing competition from North America and Asia. Europe is spending 0.8% of GDP less than the US and 1.5% less than Japan every year on Research & Development (R&D). Thousands of our best researchers and innovators have moved to countries where conditions are more favourable. Although the EU market is the largest in the world, it remains fragmented and is not sufficiently innovation-friendly [1]. The Innovative Medicines Initiative (IMI) [2] and the European Strategy Forum on Research Infrastructures (ESFRI) in Biomedical Sciences (BMS) [3] were established to help Europe retain its position in biomedical research and development. There is still an urgent need to do more, and to do it more quickly.



EMTRAIN PhD – Scope of Work



- Framework for Public-Private Partnership PhD programmes in Europe
 - Recommended (and published) standard
 - Annual Workshop
 - Lobbying and brokering
 - Course attendance and student bursaries
- on-course®
 - Comprehensive mapping of available PhD programmes
 - Promotion of public-private partnership PhD programmes
 - PhD alumni

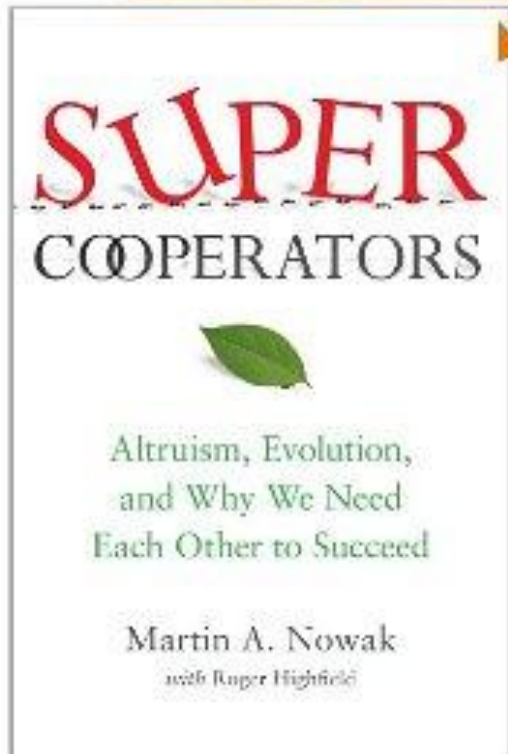


PhDs – new generation of scientists



Independent researcher

Click to **LOOK INSIDE!**



PhD Framework – Foundation



- A series of interviews with 8 major pharmaceutical companies involved in PPP PhD collaborations



- Additional EFPIA input (IMI E&T project partners)
- Academic input (EMTRAIN project partners)
- Orpheus (and Orpheus recommended PhD standards)
- Bologna recommendations
- External Advisors
- Students input (Orpheus, EPSA)
- Analysis of variability of PhD programmes in Europe (based on national and/or institutional regulations)
- Experience from Pilot Workshop Feb 2012

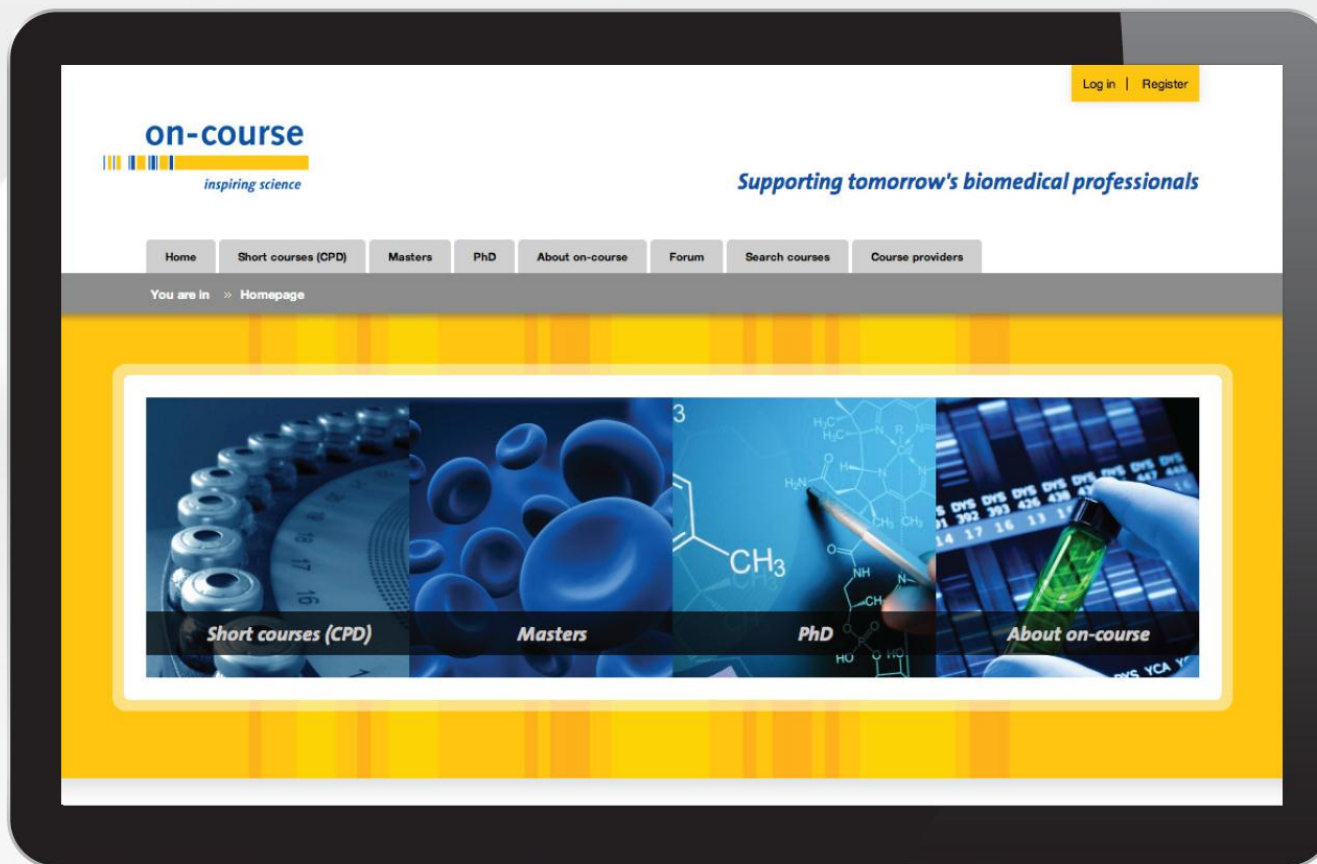


How to navigate...



Tiger in a Tropical Storm (Surprised!) 1891, The National Gallery, London





WHAT?



www.on-course.eu



on-course[®] is the most comprehensive and sustainable **biomedical and medicines research and development postgraduate course portal** in Europe.



efpia

What can on-course[®] offer you?



- Access to a wide selection of courses and levels, ranging from CPD (**short courses**) to **Master** and **PhD programmes** in the EU and associated countries



-
- The course information currently originates from about **1000 universities in 39 countries**.
 - All courses are assessed and selected based on their **quality** and the course provider's **expertise**.
 - Courses are continuously kept **up-to-date and improved** based on users' input.



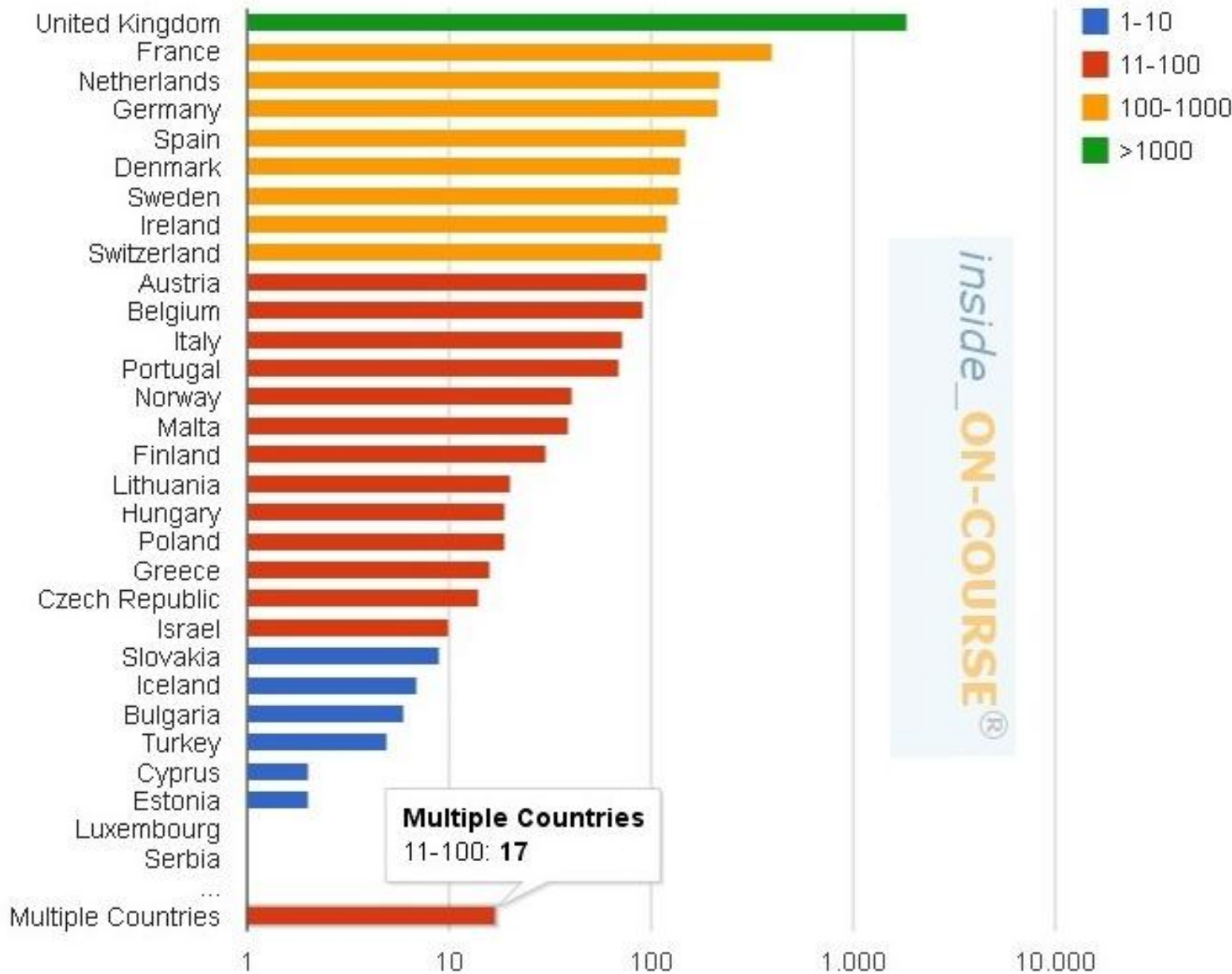
What's in it for the course seeker?



- **on-course[®]** aims to connect people, by providing a **pan-European discussion forum** for the industry, academia and regulators.
- We facilitate the exchange of ideas for **innovative and collaborative research and development.**
- **Ongoing gap-analysis** in training offerings



Total courses by country





Visits 10,917 <small>% of Total: 100.00% (10,917)</small>	Pages / Visit 5.20 <small>Site Avg: 5.20 (0.00%)</small>	Avg. Visit Duration 00:04:42 <small>Site Avg: 00:04:42 (0.00%)</small>	% New Visits 71.01% <small>Site Avg: 71.01% (0.00%)</small>	Bounce Rate 52.07% <small>Site Avg: 52.07% (0.00%)</small>
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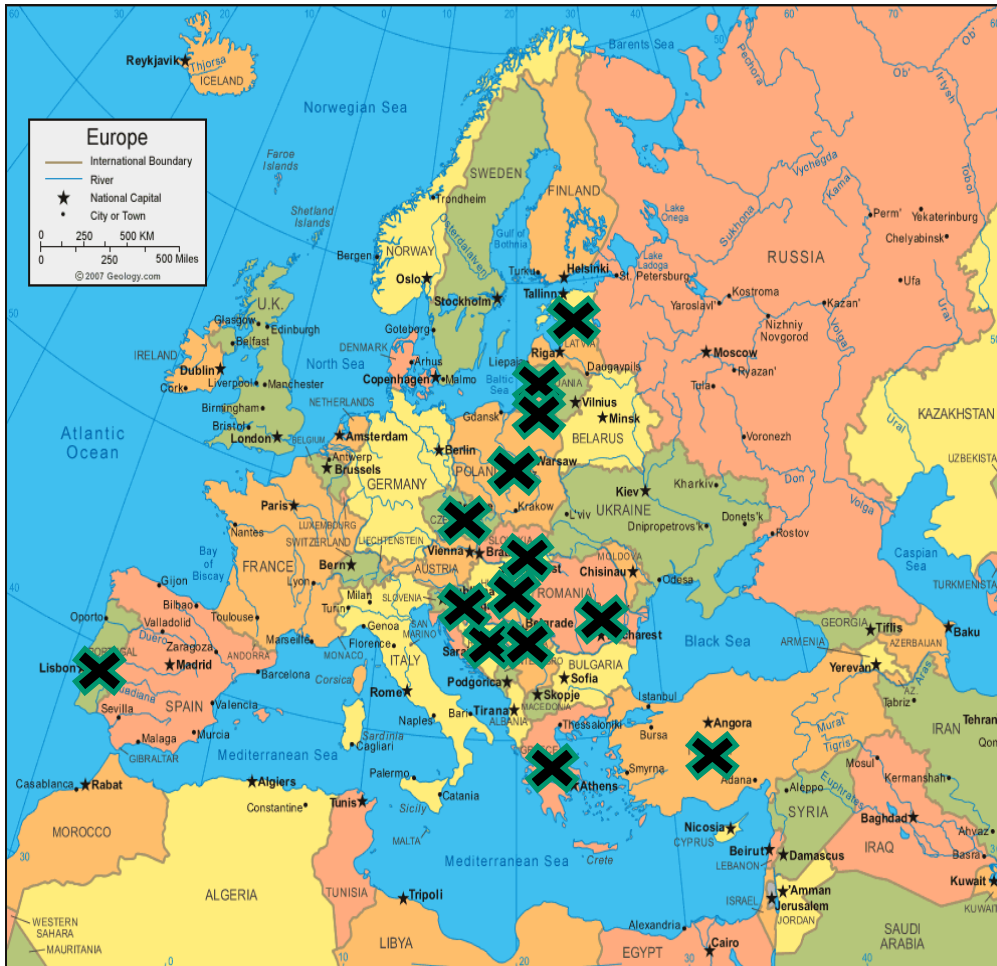
Country / Territory	Visits	Percentage
1. United Kingdom	5,245	48.04%
2. France	963	8.82%
3. Austria	941	8.62%
4. Belgium	582	5.33%
5. Germany	492	4.51%
6. United States	372	3.41%
7. Sweden	355	3.25%
8. Switzerland	322	2.95%



Pageviews 56,732 % of Total: 100.00% (56,732)	Unique Pageviews 48,230 % of Total: 100.00% (48,230)	Avg. Time on Page 00:01:07 Site Avg: 00:01:07 (0.00%)	Entrances 10,903 % of Total: 100.00% (10,903)	Bounce Rate 52.13% Site Avg: 52.13% (0.00%)	% Exit 19.22% Site Avg: 19.22% (0.00%)	Page Value \$0.00 % of Total: 0.00% (\$0.00)
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Page Title	Pageviews	Unique Pageviews	Avg. Time on Page	Entrances	Bounce Rate	% Exit
1. Search results EMTRAIN on-course	25,079	22,074	00:00:49	1,336	75.90%	13.37%
2. On-Course - Supporting tomorrows biomedical professionals: Homepage EMTRAIN on-course	10,109	8,155	00:01:16	6,868	39.28%	34.88%
3. Search courses EMTRAIN on-course	2,689	2,233	00:00:32	364	67.31%	14.62%
4. Course providers EMTRAIN on-course	2,445	1,573	00:00:39	445	51.24%	16.16%
5. Short courses (CPD) EMTRAIN on-course	933	761	00:00:30	116	52.59%	16.72%
6. Masters EMTRAIN on-course	379	327	00:00:19	35	62.86%	15.04%
7. PhD EMTRAIN on-course	367	322	00:00:47	108	80.56%	35.97%
8. About IMI education and training courses EMTRAIN on-course	346	305	00:02:13	133	73.68%	51.45%
9. Compare courses EMTRAIN on-course	319	236	00:00:46	12	83.33%	7.52%
10. About on-course EMTRAIN on-course	302	229	00:00:47	41	29.27%	22.52%
11. Quality criteria EMTRAIN on-course	279	256	00:01:23	58	72.41%	29.39%

Geographical Extension: CEMDC - Cooperative European Medicines Development Course



Universities from:

- Estonia
- Greece
- Hungary
- Lithuania
- Poland
- Portugal
- Romania
- Serbia
- Slovakia
- Slovenia
- Turkey



What's in it for universities?



- **on-course[®]** allows you to **gauge interest on current and proposed courses.**
- **on-course[®]** offers you the right tools to permit efficient communication and help you **stay updated** with rapidly changing education needs.
- You will get the opportunity to **join discussions** about education and training in Europe as a course provider.



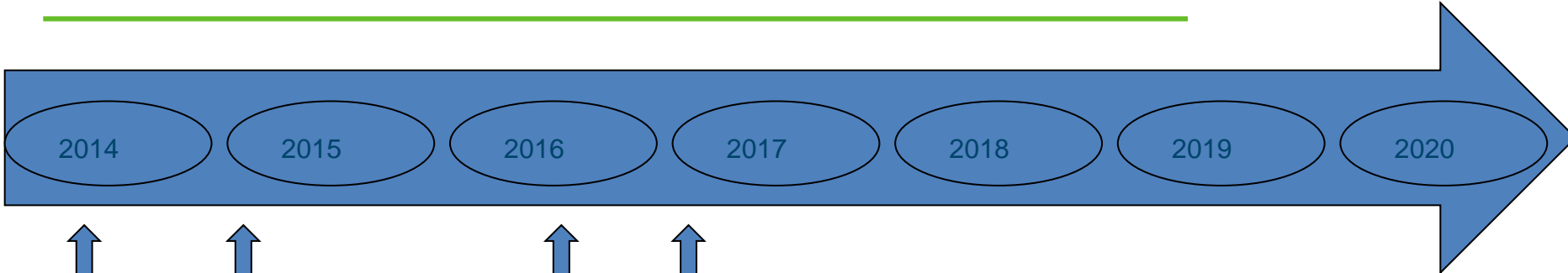
What's in it for the industry?



- **on-course**[®] offers you the opportunity to **communicate training needs**, in order for gaps to be identified and addressed.
- The changes in course offerings based on your requirements will allow students to focus on the knowledge that is in demand, in the long term **reducing in-house trainings**.



Our “Horizon 2020”



A series of images showing desert dunes. The first two images are blue-tinted and show dunes with sparse vegetation. The last image is a natural color photograph of a desert landscape with rolling sand dunes under a clear blue sky. Four blue arrows point upwards from the first two images to the years 2014 and 2015 in the timeline above. Two blue arrows point upwards from the third image to the years 2016 and 2017 in the timeline above.

PharmaTrain finishes

SafeSciMET & Eu2P
finish

EMTRAIN finishes

EUPATI finishes



efpia