



IE Digital Education

Energy in Buildings Academy



Diana Vieira Fernandes | June 7, 2017 | Lisbon

iSE

What

Why

Current Courses

EBA

Who

Why

To whom

How Energy in Buildings Academy (EBA) Snapshot

Experience (so far)

Final remarks

iSE



Professional Digital Learning products:

- based on the MOOC learning methodology,
- are fee-based,
- high-quality courses;
- driven by inspiring professors and industry experts.

Digital educational products serving:

- individuals who use online courses to advance their careers and;
- Organisations that support the continuous learning of their workforce.

Areas:

- of sustainable energy,
- innovation and;
- entrepreneurship.

Human capital

Most valuable asset in a organization

Digital

How People are consuming content

Curated Content

It's not more about access to information, rather truthiness and recognition

Main demographics (Who are they?)



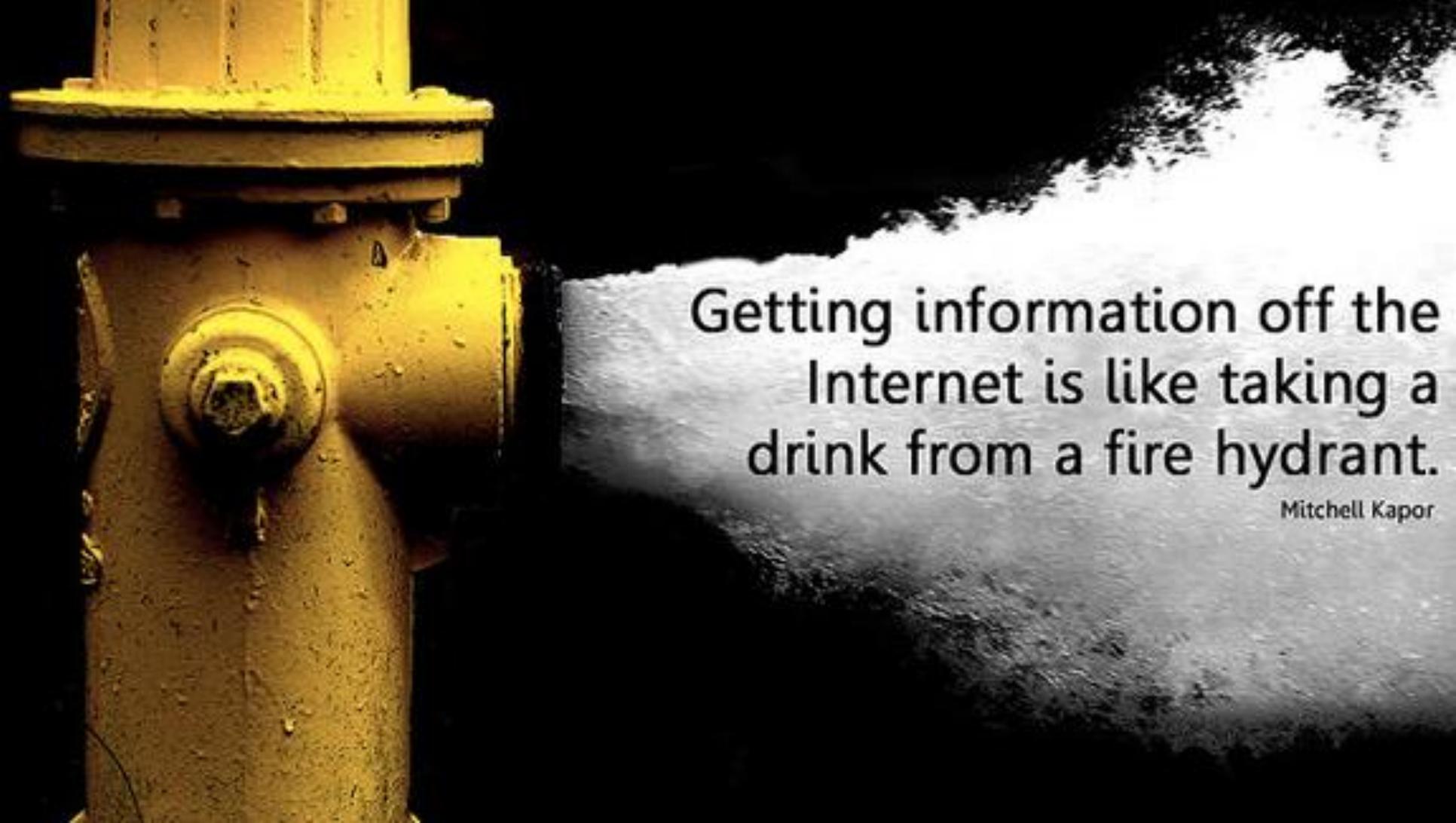
Around 30,

Tech savvy,



Science, Technology, Engineering and
math (STEAM),

With Bachelor's Degree (BA).

A close-up photograph of a yellow fire hydrant. A large, powerful spray of water is being released from the side outlet, creating a wide, white plume that extends across the right side of the frame. The background is dark, making the yellow hydrant and the white water stand out.

Getting information off the
Internet is like taking a
drink from a fire hydrant.

Mitchell Kapor

Human capital

Most valuable asset in a organization

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INFORMATION



TIME



KNOWLEDGE

Human capital

Most valuable asset in a organization

Digital

How People are consuming content

Curated Content

It's not more about access to information, rather truthiness and recognition

available
courses



The PV Game

Shape the future of energy – discover the PV business and expand your professional options

Starts on 9 May 2017

[Go to the course](#)



**Europäische
Elektrizitätswirtschaft**

Neue Marktstrukturen, neue Produkte, neue Geschäftsmodelle – die fortschreitende Marktintegration bietet eine Vielzahl an Handlungsoptionen.
Starts on 15 May 2017

[Go to the course](#)



**Entrepreneurship in Renewable
Energy**

Renewable energy is booming, creating a huge demand for new executive skills and training. This course provides today's professionals with both.
To be announced

[Go to the course](#)



Power Up: English for the



Idea Generation Methods



Upcoming courses

Energy in Buildings Academy

Educational content by:



Delivery by:



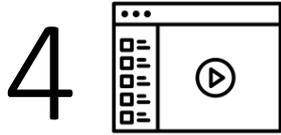
Intended Learning Outcomes:

- *Understanding basic energy concepts and tools;*
- *Know the fundamental energy systems in buildings;*
- *Know about the energy management systems;*
- Understanding and accessing energy related investments (legal/regulatory compliance, incentives and other financial incentives) in buildings;

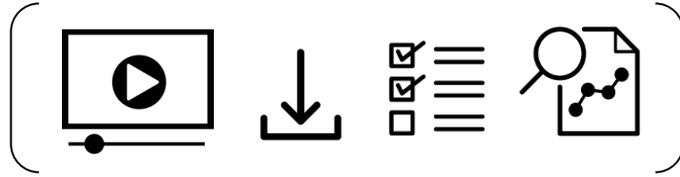
To whom:

- ✓ Facility managers or energy managers in different sectors (public and private, hotels, office buildings, shopping centers);
- ✓ Engineers and architects;
- ✓ Practitioners in Energy Services and Utilities providing energy efficiency services to their customers,
- ✓ Higher education students;

EBA format snapshot



modules of online training materials,



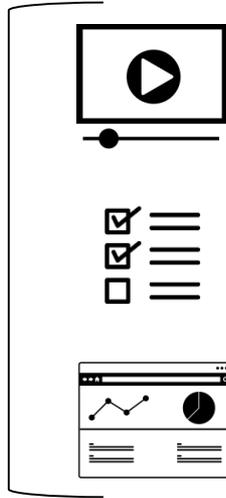
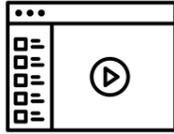
online laboratorial exercises in real installations



Executive trainees to implement their training in their organization with successful results



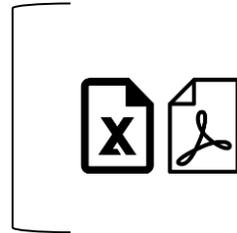
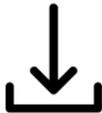
a premium certification for those that demonstrate to achieve energy savings in practice



expository videos (4x10 min.)
tutorial videos (5x7 min.)
lab/simulations videos (2x10 min.)

self-assessment quizzes (4x15 min.)
final quiz (20 min.);

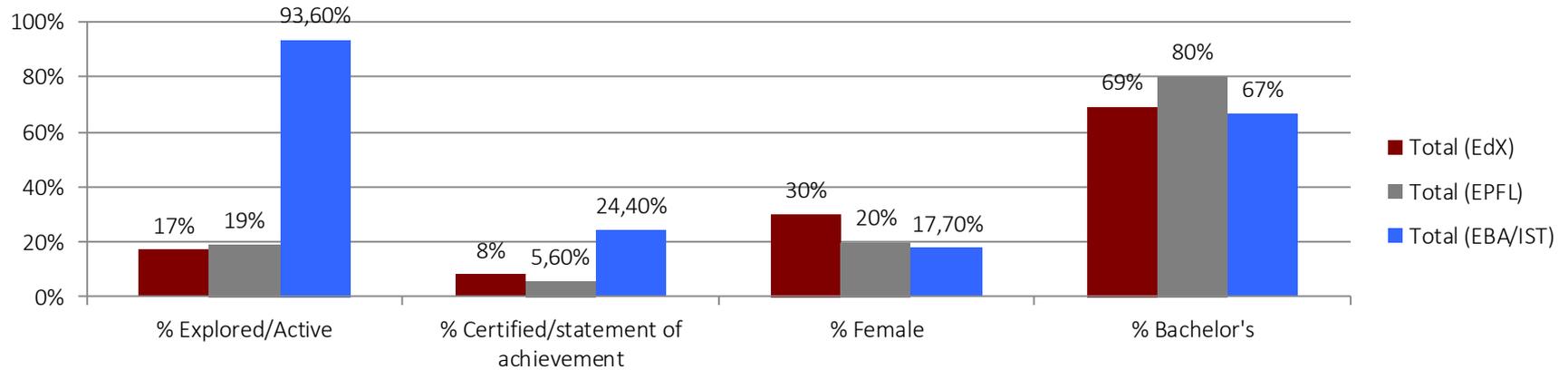
simulations to practice (2x20 min.)
laboratorial assignments (30 minutes);



- Presentations
- Models (Energyplus files, Google Sketch up files, Excel files)
- Data sets to be analyzed (renewables production, energy consumption)
- Templates for energy management (excel sheets, words)
- Written material (PDF files) on directives, regulations and norms

Experience (so far...)

% Retention & Demographics



(EdX: Harvard+MIT), (EPFL)

Median Age/Peak, Mode (range)/Mode Range Band

% USA/ %USA+EU+Oceania/% PT

Total (EdX)

28

29%

(Total (EPFL)

25 / 22-28

65%

EBA/IST

18-30

85%

Final remarks



Content

User
Interface



User
Experience

1. Digital Education is not recording traditional classes and make them available online;

2. Massive does not imply lack of personalization and customization;

3. From content, to UI to deliver to best UX (not just content)

	Course Tittle	Duration (weeks)	Start & End date
	The PV Game	6	17 oct - 28 nov
Specialisation - Competitive Intelligence and Effective Exploitation of Patents	Course 1: Patents, patentability and patent infringement	6	2 oct - 12 nov
	Course 2: Competitive intelligence and Technology Scouting	6	13 nov - 24 dec
	Course 3: IP commercialization	6	8 ene - 18 feb
Executive Certificate - Blended 3 months	Entrepreneurship in Renewable Energy (online part)	TBC	TBC
	Idea Generation Methods	7	25 sept - 12 nov
	Power Up: English for the Energy Transition	7	25 sept - 12 nov
	European Electricity Markets - German	6	TBC, spring 2018
Specialisation - Energy Buildings Academy - EBA	Course 1: Definitions, models and tools	2	18 sept - 1 oct
	Course 2: Buildings energy systems	3	2 oct - 22 oct
	Course 3: Energy Management	3	23 oct - 12 nov
	Course 4: Regulations & Standards	2	13 nov - 26 nov
Off-Grid renewable energy: a game changer for sustainable electricity access	Off-Grid renewable energy- Basic course	8	4 sept - 27 oct
	Off-Grid renewable energy- Advance course	8	23 oct - 15 dec
	SGSC - Smart Grids for Smart Cities	8	10 oct - 3 dec
	MESI: MOOC on Energy Systems Integration	TBC	WPO stage
	NTREM - New Technologies in Regulated Electricity	TBC	TBC



www.innoenergy.com



InnoEnergy is supported by the EIT,
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