

‘Workforce excellence is essential for sustainable health supply chains’

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Using e-learning to Advance Advocacy and Leadership in Supply Chain Management

Financial sponsors:





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Who we are

i+solutions is an international non-profit organisation based in the Netherlands, with a vision to promote **universal access to high quality, affordable medicines and health products** for low and middle income countries.

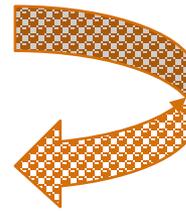




What we do

- Procurement and supply services
- Market dynamics
- Technical assistance on supply chain management
- Capacity building (training)

Training and e-Learning



- Annual trainings in the Netherlands and France
- Tailor-made trainings in-country
- **NEW!** Moodle e-Learning platform i+academy

Teaching approach

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Past i+solutions trainings participants: Ministries of Health, Central Medical Stores, organisations and health programmes.



In-service

i+academy + Swiss TPH and the University of Basel

→ Introductory course on SCM of medicines in MBA International Health Management.



Pre-service, higher education

A case study

Student population



Profiles of students

2013-2014 (11 students)	2014-2015 (11 students)
Global Fund, Switzerland	World Health Organization, Spain
Ministry of Health, Tanzania	Global Fund, Ghana
Ifakara Health Institute, Tanzania	Ifakara Health Institute, Kenya
Massachusetts General hospital, USA	Ifakara Health Institute, Tanzania
A. Einstein College of Medicine, USA	Swiss Federal Institute of Technology, Italy
Novartis, Switzerland	Novartis, Belgium
Nestle, Switzerland	Roche, Brazil

Methodology

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i+academy | i+solutions ▾ | Messages | My courses ▾ | Language ▾ | You are logged in as test user (Log out) ▲

[My home](#) ▶ [My courses](#) ▶ [Course library](#) ▶ [Introduction SCM \(SC011\)](#)

Introduction to Supply Chain Management in Healthcare (SC011)

GOOD MORNING 



test user (Log out)

-  [Edit my profile](#)
-  [Messages \(0\)](#)
-  [My courses](#)

Last access: 19 October 2014, 10:41 AM

ADMINISTRATION 

- ▶ [My profile settings](#)

Introduction to the module	File: 1 URLs: 4 Quiz: 1
1. Access to medicines	Pages: 3 Lesson: 1 Forum: 1
2. Human resources for SCM	Pages: 5 Assignment: 1
3. Introduction to the supply chain cycle	Pages: 3 Lesson: 1
4. Selection of essential medicines	Pages: 6 Quiz: 1

Social and constructivist

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e-Learning on Moodle

= Social learning

Importance of profiles, discussion forums, messages

= Constructivist and constructionist

- people actively construct new knowledge as they interact with their environments
- learning is particularly effective when constructing something for others to experience

= Continuous feedback

Quizzes with performance feedback, feedback surveys

Social learning

Example: discussion forums

This forum allows each person to start one discussion topic.

Add a new discussion topic

Discussion	Started by	Group Replies	Unread ✓	Last post
At what point is queueing for hours acceptable?	 Susie Amadasun	5	0	Griet Samyn Wed, 4 Dec 2013, 5:42 AM
Reasons for Patient's Long Waiting time in Tanzania	 Ntuli Kapologwe	5	0	Gertrud Koller-Thuerck Mon, 4 Nov 2013, 4:22 PM
Which other alternative do they have? delays	 James Charles	3	0	Anneke Zuyderduin Sun, 3 Nov 2013, 9:10 PM
Getting meds in Namibia	 Angele Benard	0	0	Angele Benard Fri, 1 Nov 2013, 4:47 PM
	 Cynthia Mwase	3	0	Susie Amadasun Tue, 29 Oct 2013, 6:33 PM

Constructivist & -ionist

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Public- Private partnership in Transportation and Distribution of Medical supplies



Frederick Masanja & Ntuli Kapologwe

Results

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- ✓ Academic knowledge evaluation (assignments, exam)
- ✓ Attitude change (long-term)
- ✓ Awareness from all parts of health system (long-term)
- ✓ SCM up in global health agenda

Survey results

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4. Is the module 5 on SCM in healthcare of relevance to the MBA IHM programme? Please explain why.

Yes – 100%

- Everyone needs to be aware of the importance of SCM in healthcare
- Managers (in health care/health systems) need to understand the importance of SCM
- Important because huge portion of health resources are spent on health products and their distribution
- Important to know about stakeholders involved and have a macro perspective on how everything is organized
- SCM is a major part of health systems
- Good to have a basic understanding of SCM if you work in global health
- Relevant – but would not like to spend a whole module on the topic
- SCM is linked to previous modules in the programme

Continuous access

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An umbrella course

The screenshot shows the i+academy interface for a course titled "Introduction to Supply Chain Management in Healthcare". The top navigation bar includes "i+academy", "i+solutions", "Messages", "My courses", and "Language". The user is logged in as "Griet Samyn". The breadcrumb trail is "My home > My courses > i+ Supply Chain Management of Medicines and Medical Supplies > Introduction SCM (EN001)". A "Turn editing on" button is visible in the top right.

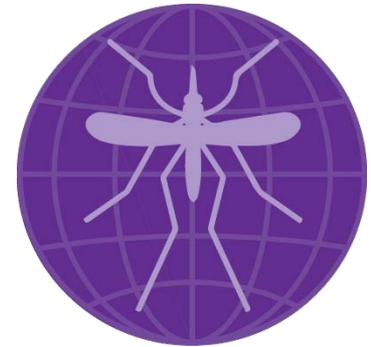
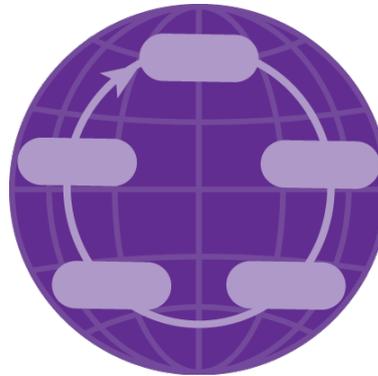
The main content area is titled "Introduction to Supply Chain Management in Healthcare". On the left, there is a sidebar with three sections: "PEOPLE" (Participants), "ONLINE USERS" (last 5 minutes, showing Griet Samyn), and "ADMINISTRATION" (Course administration, Turn editing on, Edit settings, Users, Unenrol me from Introduction SCM (EN001), Filters, Reports, Grades).

The main content area contains a welcome message: "Welcome. This corner is an opportunity for you to stay in touch with your colleagues, send us messages, meet other alumni and have a continued access to your supply chain management learning content. Your contributions and suggestions for this course will be greatly appreciated." Below this is a "General discussion forum on supply chain management" section. To the right of the welcome message is a circular icon with two graduation caps and a plus sign.

The course content is organized into sections: "Introduction" (with 2 URLs and 1 assignment) and "1. Health systems. An overview" (Lesson: 1 Page: 1).

e-badges

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What is next?

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- Scale up to other universities
- Use for in-service trainings
- ...
- We are open for ideas coming from this PtD global conference

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The PtD Board:

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