

Do we need local training or DAS-CAM?

Dr. Tom De Potter

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ESC Strategic plan 2016 - 2020

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The NCS at the heart of the ESC

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The ESC represents **over 95 000** cardiology professionals,
of which **77 000** are members of the **56 National Cardiac Societies**.



Cardiology training

What is the duration of cardiology training?

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Country	Duration of cardiology training	
Finland	6 years	<div></div>
Greece		<div></div>
Ireland		<div></div>
Macedonia		<div></div>
Netherlands	5 years and 3 Months	<div></div>
Denmark	5 years	<div></div>
Hungary		<div></div>
Iceland		<div></div>
Latvia		<div></div>
Portugal		<div></div>
Romania		<div></div>
Spain		<div></div>
Sweden		<div></div>
Turkey		<div></div>
UK		<div></div>
Albania	4 years	<div></div>
Bulgaria		<div></div>
France		<div></div>
Georgia		<div></div>
Italy		<div></div>
Lithuania		<div></div>
Malta		<div></div>
Morocco		<div></div>
San Marino		<div></div>
Switzerland		<div></div>
Austria	3 years	<div></div>
Belgium		<div></div>
Germany		<div></div>
Israel		<div></div>
Norway		<div></div>
Poland		<div></div>
Kyrgyzstan	2 years	<div></div>
Russia		<div></div>
Serbia	1 years and 11 Months	<div></div>
Ukraine	3 Months	<div></div>

Curriculum

Is there a national curriculum for training in cardiology ?

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Comments → 10 countries (28,6%)

Comments

Based on the ESC
curriculum
(Bulgaria)

In development - we are
adopting the ESCel Platform
for e-portfolio and impose
the ESC core curriculum
(Malta)

The core curriculum of the ESC is considered
as a line of guide, but a number of
objectives and topics are ignored because
of the limited resources on those fields (as,
for example, since we do not do 3D echo,
we have to skip this topic and so on...)
(Albania)

The curriculum at both
universities is harmonized. It
is not officially national
curriculum, but in reality the
same in both universities.
(Latvia)

Approved by GMC.
Available on WWW
(UK)

ESC core curriculum has
been endorsed in Finland
(Finland)

National curriculum for trainees is
worked out by cardiological
departments and University Board;
then National curriculum must be
approved by Healthcare Ministry.
(Kyrgyzstan)

National curriculum is based
on the ESC core curriculum
(Poland)

There is some minimum request for
training in cardiology. As example a
trainee in cardiology must have followed
at least 150 patients, performed 300
transthoracic echocardiographyâ€
(Belgium)

By "BundesÄrzttekammer"
(Germany)

Q2: What does not go well in your country? **‘Cardiologists in training’**

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- Lack of sub-speciality curricula
- Sub-speciality assessment is challenging
- Sub-speciality knowledge often industry-provided

Q3: What are you expecting from the ESC?

Across all in cardiology

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- **ESC eLearning**
 - Keeping educational material up-to-date
 - Shorter webinars
 - Interaction across different ESC eLearning modes
 - More visibility and ease of access
- ESC topic list; task forces on webinars, ESCeL, clinical cases

European Heart Academy

Concept and mission

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DRIVE THE FUTURE OF CARDIOLOGY

Mission: To champion academic excellence by fostering future leaders in cardiovascular medicine

- **Postgraduate programmes** in partnership with **selected universities**
- Officially recognized **academic degrees** in key areas of cardiovascular medicine
Diplomas jointly issued by ESC and selected universities
Bologna compliant
- 2 year **executive format** – study and work
- Alumni community



European Heart Academy

Running programmes

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- Certificate of Advanced Studies in **Heart Failure**

2nd cohort will graduate in October 2017



Universität
Zürich^{UZH}

- Master of Sciences in **Health Economics w/Cardiovascular Sciences focus**

2nd cohort started in December 2016

3rd cohort open for applications



THE LONDON SCHOOL
OF ECONOMICS AND
POLITICAL SCIENCE ■

- Diploma of Advanced Studies in **Cardiac Arrhythmia Management**

1st cohort started in January 2017



Maastricht UMC+



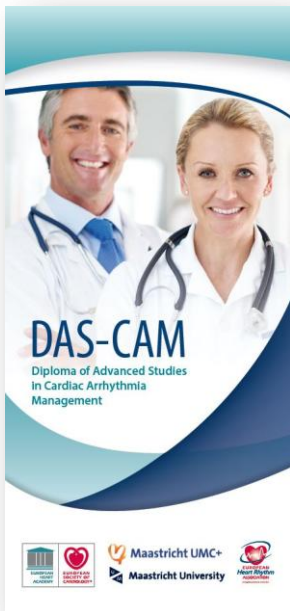
Maastricht University



DAS-CAM = Diploma of Advanced Studies in Cardiac Arrhythmia Management

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Trains future leaders in arrhythmia management and research

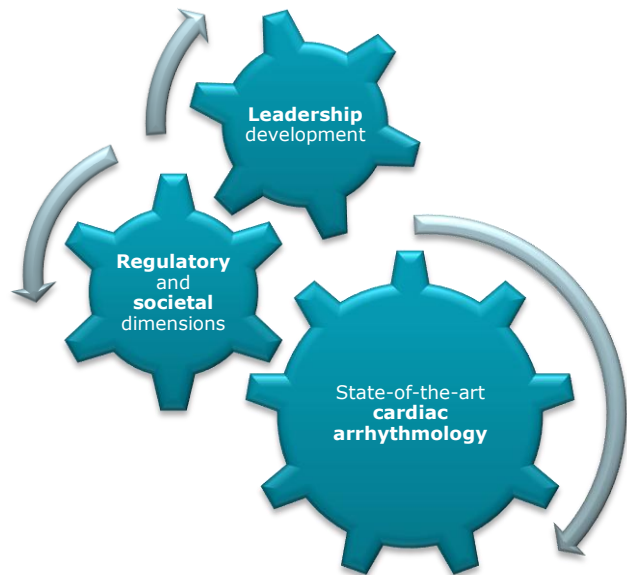


- **Collaboration between:**
 - Maastricht University
 - EHRA
 - European Heart Academy of the ESC
- **8 modules** distributed over 2 years
- **2 locations:** Maastricht (6 modules) and Brussels (2 modules)



DAS-CAM = Diploma of Advanced Studies in Cardiac Arrhythmia Management

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- **Start date:** 1 January 2017
- Official **opening ceremony:** 4 February 2017 (Maastricht)
- **32 places** per two years cohort
- **Soft Skills** sections embedded in the programme
- **Certification:** Diploma of Advanced Studies issued by the Maastricht University

DAS-CAM - 3 pillars programme

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Gerhard Hindricks
Tom De Potter

DAS-CAM

Harry Crijns

Alec Vahanian

 Maastricht UMC+

 Maastricht University *Leading in Learning!*



Scientific Content

Module topics and module leads

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1/ The art of ECG reading – a Maastricht reunion

Anchor persons: Jerónimo Farré, Hein Wellens, Joep Smeets

2/ Fundamentals of cardiac arrhythmogenesis

Anchor persons: Josep Brugada, Ulrich Schotten

3/ How to organize an arrhythmia unit?

Anchor persons: Gerhard Hindricks, Christophe Leclercq

4/ Atrial fibrillation

Anchor persons: John Camm, Harry Crijns

5/ Ventricular tachycardia

Anchor persons: Paolo Della Bella, Karl-Heinz Kuck (TBC)

6/ Cardiac pacing, defibrillation and electrical management of heart failure

Anchor persons: Frits Prinzen, Angelo Auricchio

7/ Sudden arrhythmic death

Anchor persons: Paul Volders, Arthur Wilde

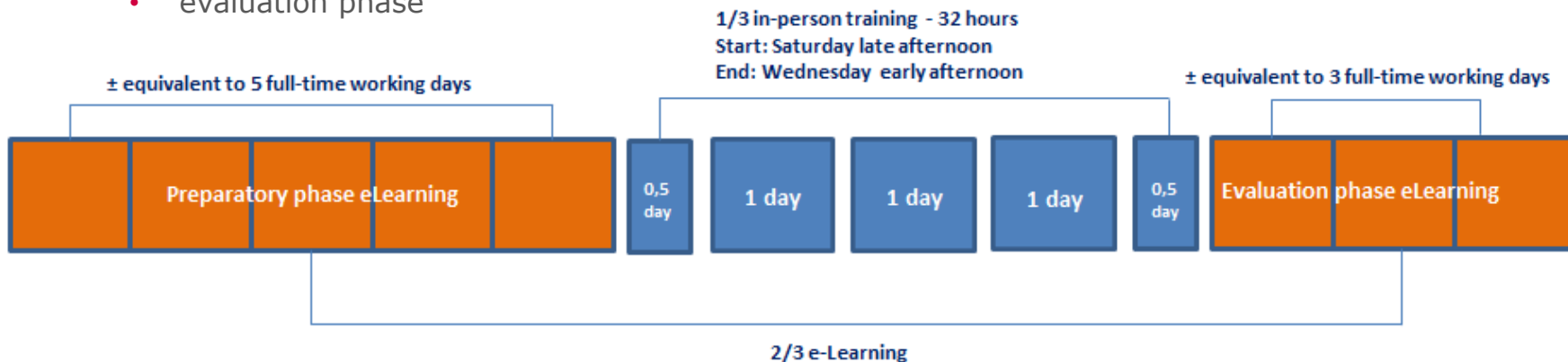
8/ Guidelines, regulations and wrap-up

Anchor persons: Paulus Kirchhof, Barbara Casadei



Programme Structure

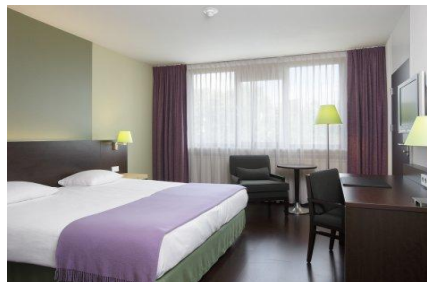
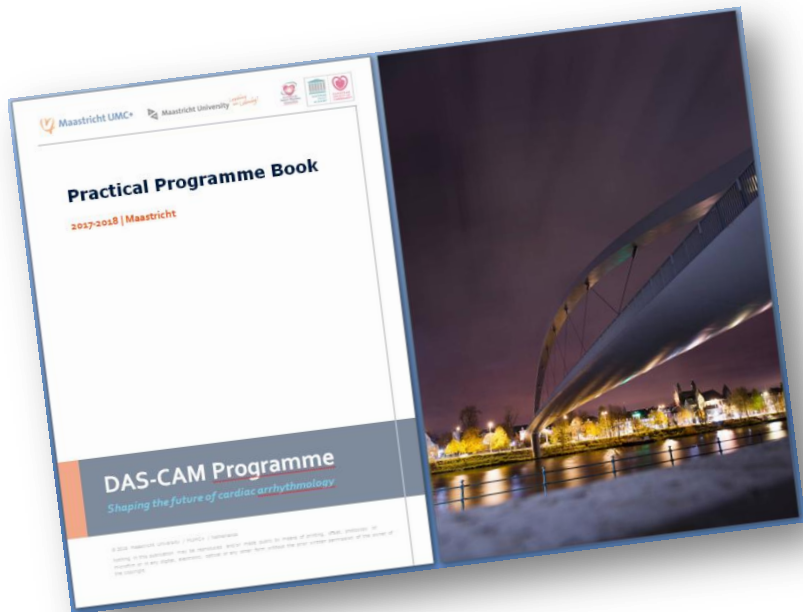
- **eight modules** over 2 years
- **format**
 - preparatory phase
 - in-person training
 - evaluation phase



Student experience

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- **Hotel, networking events:** 250m from the teaching venue



Student experience

- Self-Learning Tools

EleUM electronic learning environment

Radu Huculeci


My EleUM Courses Organisations Library

Course materials


DAS-CAM (2016-001-PGE5019)


- Announcements
- About the course
- Course materials
- Assignments
- Tools

Course materials


 **Welcome to the DAS-CAM programme – by Prof. Crijns**

12/21/16 Default Presenter
Please watch: Welcome to the DAS-CAM programme – by Prof. Crijns




 **Module 1: Towards an optimal use of the ECG in Cardiac Arrhythmia management**

Date: 4-8 February 2017
Location: Maastricht (The Netherlands): Em-Trac, Gaetano Martinolaan 75, 6229 GS Maastricht - 4th Floor

 **Module 2: Fundamentals of Cardiac Arrhythmogenesis**

Date: 1-5 April 2017
Location: Maastricht (The Netherlands): Em-Trac, Gaetano Martinolaan 75, 6229 GS Maastricht - 4th Floor

 **Module 3: How to organize an Arrhythmia Unit?**

Date: 24-28 June 2017

Support (5) ↑

Student experience

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• Self-Learning Tools

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Course materials > **Module 1: Towards an optimal use of the ECG in Cardiac Arrhythmia management**


DAS-CAM (2016-001-PGE5019)

- Announcements
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Module 1: Towards an optimal use of the ECG in Cardiac Arrhythmia management

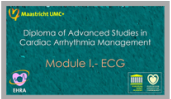
Presentations

Here you will find the presentations and videos of module 1



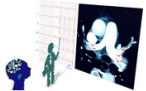
DAS-CAM Introduction to module 1

11/25/16 Default Presenter
Please watch the introduction video of module 1



Anchor Persons

Prof. Hein Wellens MD, PhD, FESC
Prof. Jerónimo Farré MD, PhD, FESC
Prof. Joep Smeets MD, PhD, FESC




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Module manuals

Here you will find more information on:


- The Leadership Development Trajectory
- A total overview of all the learning objectives, assignments, preliminary tests, methods used
- Time schedule of the in-person part of the module
- Address DAS-CAM programme venue



Preparation: Literature & Webinars

Before we start with the first in-person part of module 1, we ask you to prepare the following:


1. Read the literature (must read / good to read) [before February 4, 2017](#)
2. Read the recommended literature of the Leadership Development Trajectory [before February 4, 2017](#)
3. Read the recommended literature of Bio Statistics [before February 4, 2017](#)
4. Watch the webinars [before February 4, 2017](#)



Preparation: Assessments

Before we start with the first in-person part of module 1, we ask you to prepare the following:

1. Complete the 4 multiple choice tests (60 questions in total) [before January 1, 2017](#)
2. Prepare one rapid fire presentation and upload this presentation in EleUM (via assignments) [before January 20, 2017](#)
3. Describe a case in which you were proud of your leadership behaviour (0.5 page max. in which your role as well as your behavior is described) and upload this case in EleUM (via assignments) [before January 20, 2017](#)
4. Describe a case in which you regret your leadership behavior displayed (0.5 page max. in which your role as well as your behavior is described) and upload this case in EleUM (via assignments) [before January 20, 2017](#)



EUROPEAN
HEART
ACADEMY

EUROPEAN
SOCIETY OF
CARDIOLOGY®

Student experience

- Teaching venue



Admission requirements

Experience

Experience as a clinical cardiac electrophysiologist, holding EHRA certification, or with sufficient experience to be eligible to take the EHRA EP exams

Innovation

Willingness to contribute to innovation in the field of cardiac arrhythmia management

Passion

Having a demonstrable scientific interest

Leadership

Experience with executive responsibility and leadership

Teamwork

Being an active learner and team worker, proficient in English

Commitment

Willingness to commit the time required for both e-learning and in-person training for the programme

More information on DAS-CAM

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European Heart Academy page

Postgraduate Programmes

About the Academy

Executive MSc in Health Economics, Outcomes and Management in Cardiovascular Sci

Diploma of Advanced Studies in Cardiac Arrhythmia Management

Postgraduate Course in Heart Failure

Contact information

DIPLOMA OF ADVANCED STUDIES IN CARDIAC ARRHYTHMIA MANAGEMENT

Joint collaboration between the European Heart Academy of ESC, European Heart Rhythm Association and Maastricht University Medical Centre (MUMC)

In this innovative postgraduate programme, you will gain the state of the art on cardiac arrhythmology, regulatory and societal dimensions of arrhythmia management as well as cardiovascular biostatistics, health economics and leadership expertise. These added skills will empower you to set new standards in the cardiovascular field and related services for the next decade and beyond.

We are now accepting applications for the academic year 2017/2018

Programme start date: January 2017

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STUDYING WITH US

PROGRAMME OVERVIEW


The Diploma of Advanced Studies in Cardiac Arrhythmia Management trains future leaders in arrhythmology to deliver state-of-the-art cardiovascular services in the next decade and beyond. DAS-CAM brings together renowned experts, who will cover not only clinical cardiac electrophysiology and device technology, but also the leadership, bio-statistics and health economics perspectives. The programme will empower electrophysiologists to fulfil leadership roles as well as regulatory and managerial positions in their hospitals, universities, and other work environments.

Main topics covered:


- Up-to-date cardiac arrhythmology from mechanisms and ECG reading to novel and complex interventions
- Regulatory and societal dimensions of arrhythmia management
- Leadership development
- Cardiovascular biostatistics and health economics



Professor Panos Vardas, ESC President 2012-2014, Managing Chair of the European Heart Agency
"One of the key needs identified by the European Society of Cardiology is the training of future leaders in arrhythmia management and research with a wide view of the societal and economical perspectives."



Professor Harry Olie, Chair of Cardiology at Maastricht University Medical Centre
"Graduates of DAS-CAM will understand how value based healthcare includes scientific evidence, health economics, organisational excellence, and value to patients."



Professor Gerhard Hindricks, President of the European Heart Rhythm Association (EHRA)
"DAS-CAM goes far beyond a traditional arrhythmia course and we would like to attract the best candidates in Europe whose goal is to become a leader in arrhythmia research and clinics."


DAS-CAM dedicated website

Maastricht University Maastricht UMC+

Home About Programme Admission Contact Apply

ABOUT DASCAM

"DAS-CAM goes far beyond a traditional arrhythmia course and we would like to attract the best candidates in Europe whose goal is to become a leader in arrhythmia research and clinics"



Professor Gerhard Hindricks
President of the European Heart Rhythm Association (EHRA)

One of the key needs identified by the European Society of Cardiology is the training of future leaders in arrhythmia management and research. For this purpose, a new educational programme entitled **"Diploma of Advanced Studies in Cardiac Arrhythmia Management"** (DAS-CAM) has been established. This initiative is a joint collaboration between Maastricht University Medical Center (MUMC+), European Heart Academy (EHA) and the European Heart Rhythm Association (EHRA), a long-standing provider of postgraduate education in arrhythmias.

Maastricht University Maastricht UMC+

EUROPEAN Heart Rhythm ASSOCIATION A Registered Branch of the ESC

EUROPEAN HEART ACADEMY EUROPEAN SOCIETY OF CARDIOLOGY

www.dascam.org



DAS-CAM vs local training

DAS-CAM is

- High quality full spectrum
- Focusing on training leaders of tomorrow
- Low volume and resource-intensive

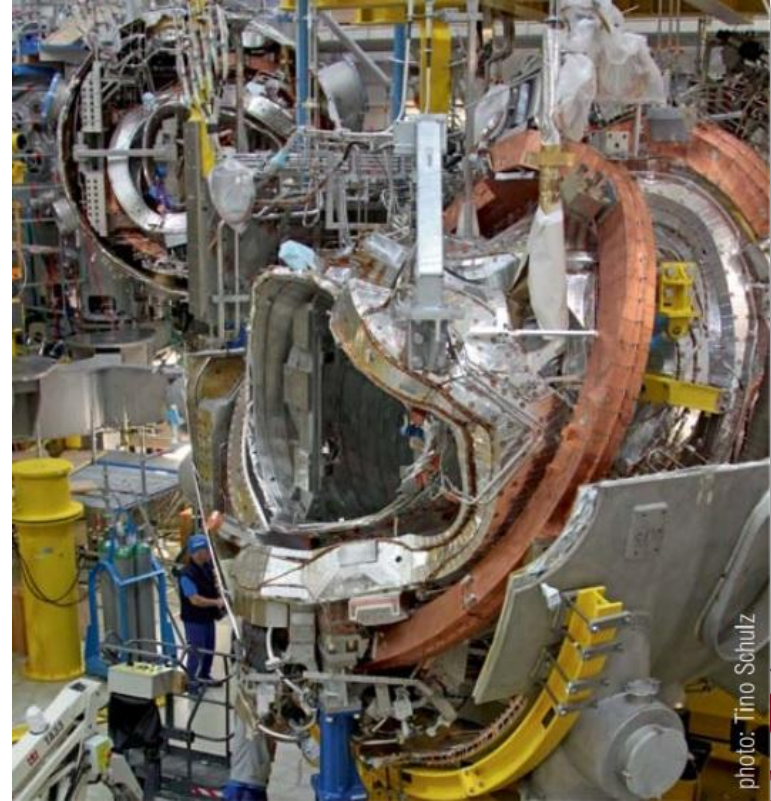
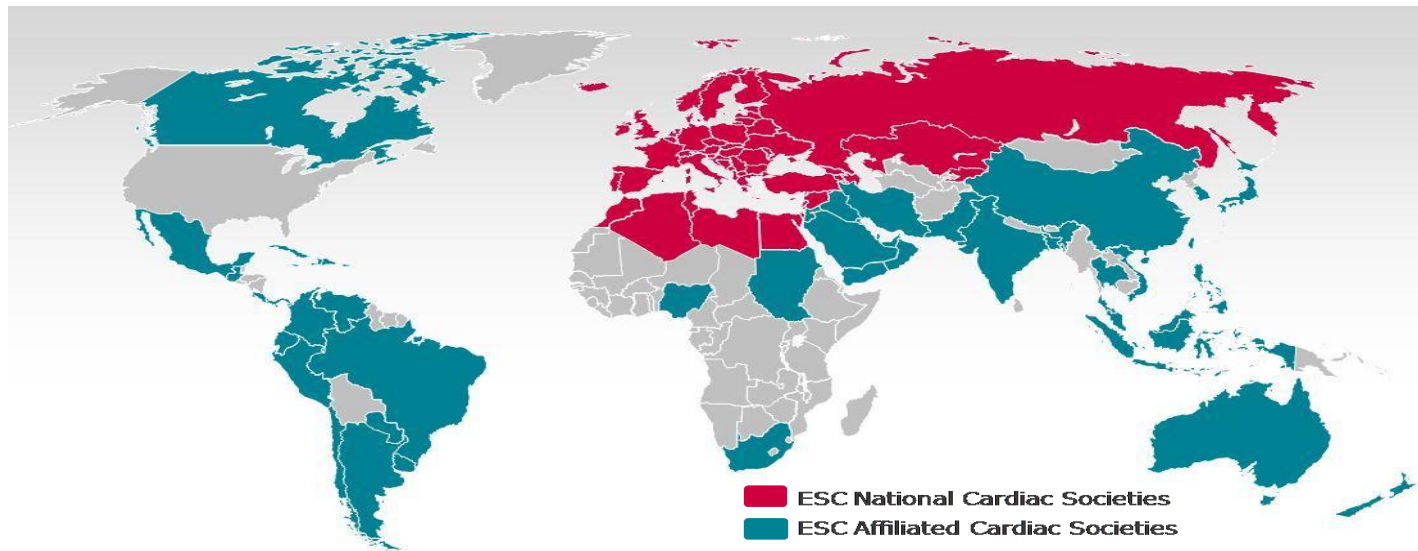


photo: Tino Schulz

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DAS-CAM vs local training

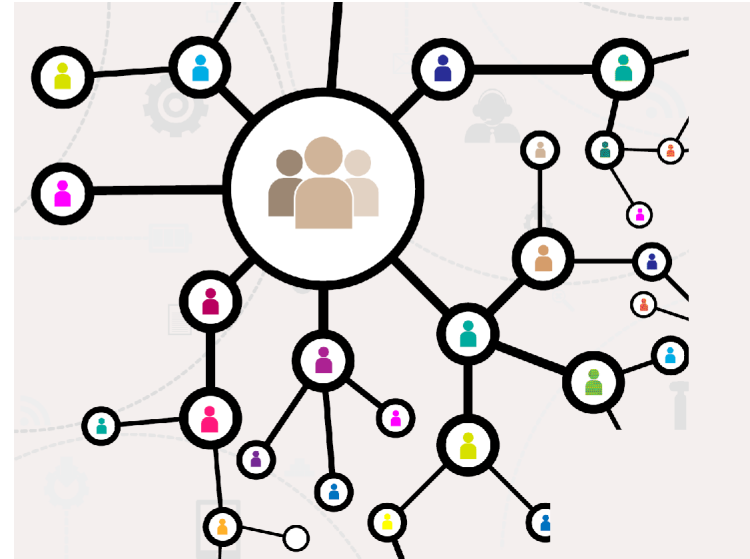
DAS-CAM is

- High quality full spectrum
- Focusing on training leaders of tomorrow
- Low volume and resource-intensive

Local training can be

- High quality customised to local requirements
- Focusing on any particular need
- Distributed throughout ESC geography

**And is not necessarily traditional
(E-learning, serious gaming, ...)**



Thank you!
Any questions?