

# Wie komme ich zum Connectathon?

IHE Tutorial, Jahrestagung 2015, Kassel, 23.10.2015

Alexander Ihls (Vendor Co-Chair, IHE Deutschland e.V.)

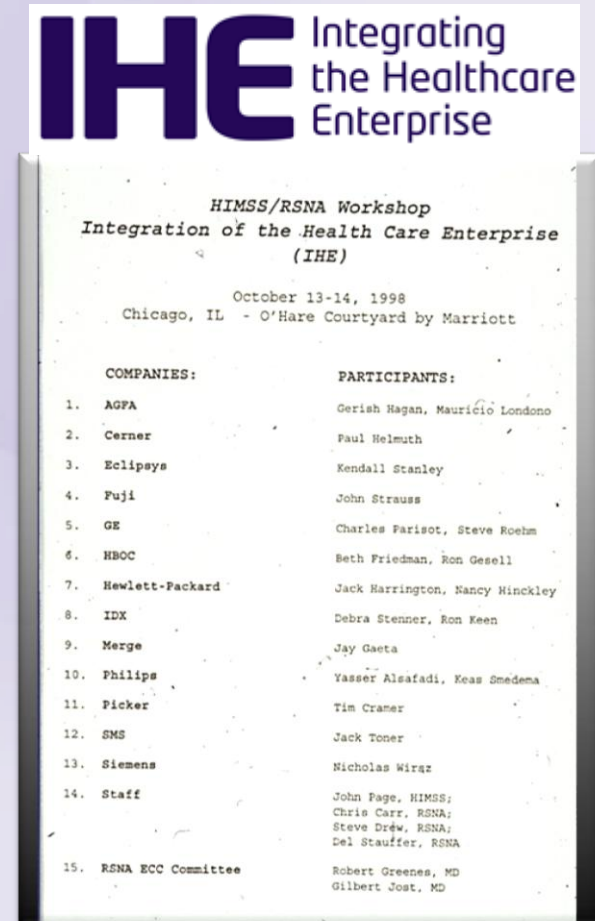
**IHE**  
EUROPE | **CONNECTATHON**  
**BOCHUM**  **APRIL 11-15 2016**



HEALTHCARE SOLUTIONS  
BOCHUM  APRIL 11-15 2016

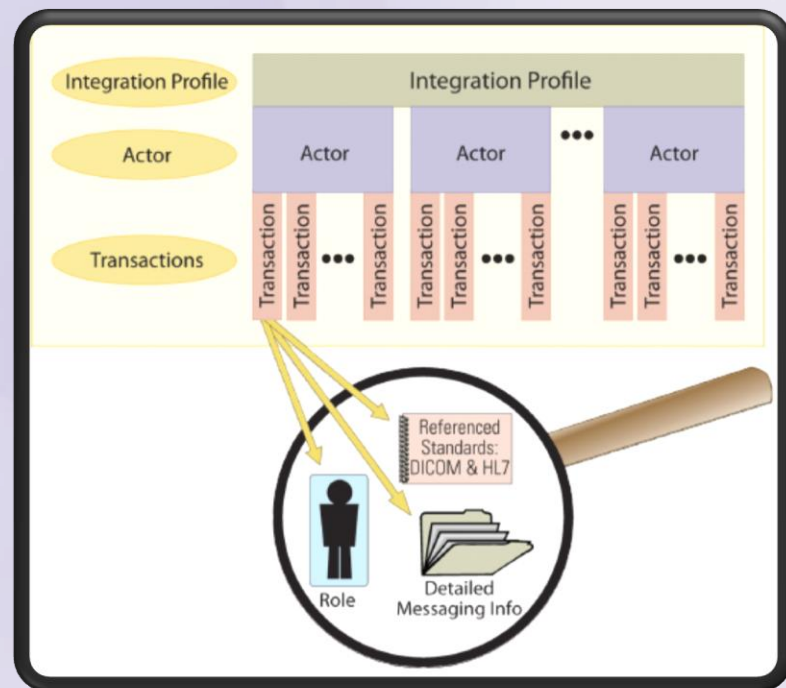
# „Integrating the Healthcare Enterprise“ (IHE)

- gegründet 1998
- Zusammenarbeit von Nutzergruppen und der Industrie
- Standardisierung des Austausches medizinischer Daten in Einrichtungen, Regionen, Ländern, etc.
- Einheitlicher Prozess zur Entwicklung von Integrationsprofilen für die Lösung realer Probleme
- **Integrationstests (Connectathons),**
- Integrationsnachweise (Integration Statements),
- Demonstrationen

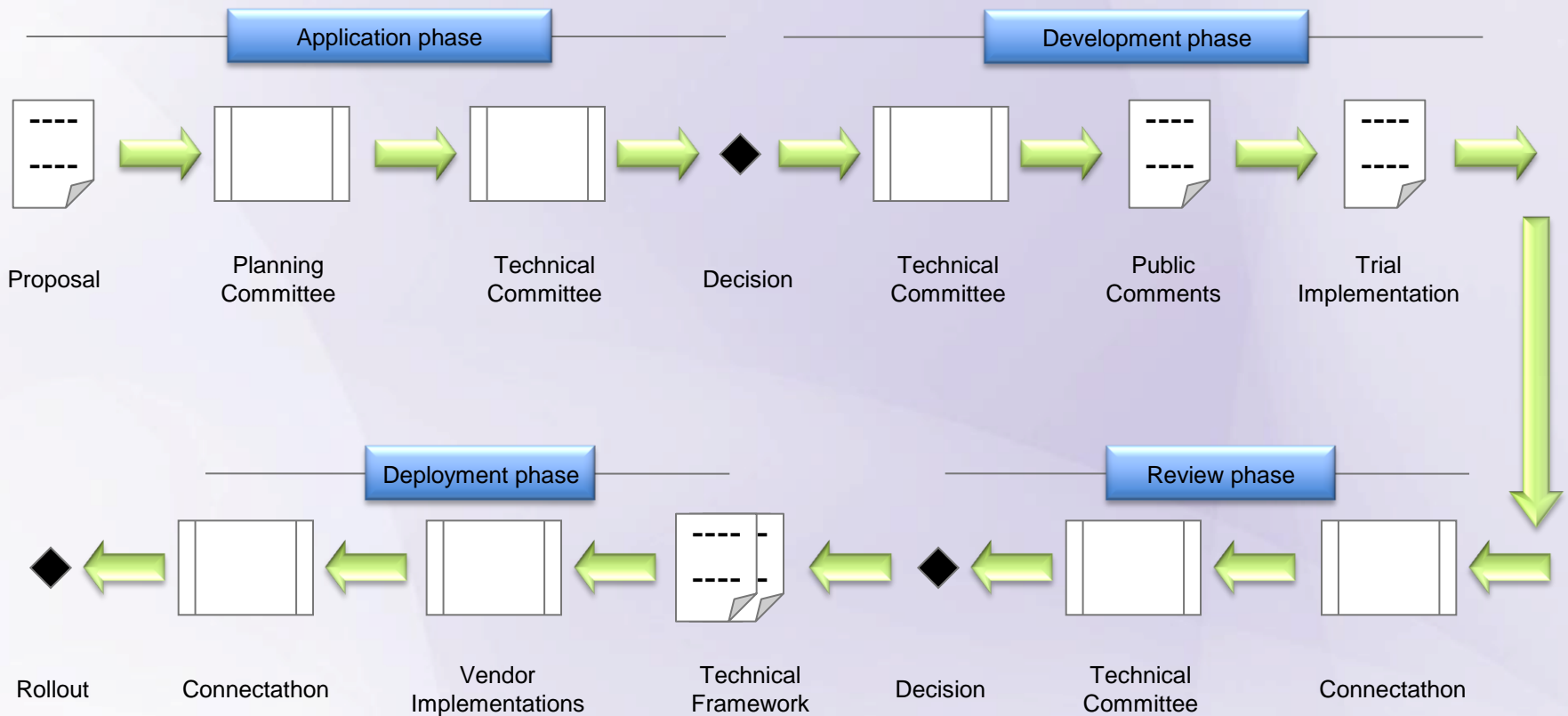


# Domänen (Domains) der IHE

- Anatomic Pathology
- Cardiology
- Dental
- Eye Care
- IT Infrastructure
- Laboratory
- Patient Care Coordination
- Patient Care Devices
- Pharmacy
- Quality, Research and Public Health
- Radiation Oncology
- Radiology



## Wie entstehen neue Profile ?



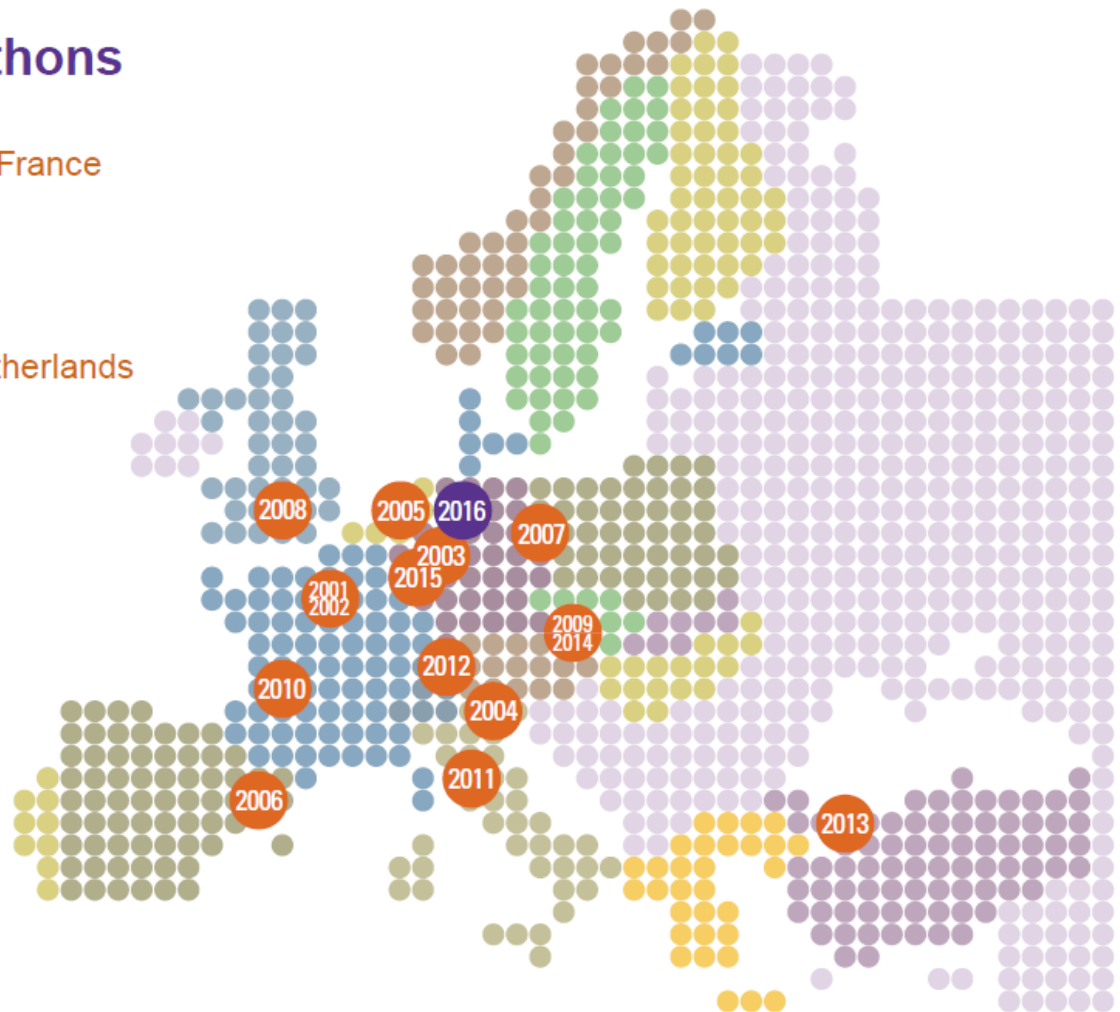
# Connectathons



# Connectathon - Europa

## European Connectathons

- 2001: Charenton-le-pont Paris, France
- 2002: Villejuif in Paris, France
- 2003: Aachen, Germany
- 2004: Padova, Italy
- 2005: Noordwijkerhout, The Netherlands
- 2006: Barcelona, Spain
- 2007: Berlin, Germany
- 2008: Oxford, UK
- 2009: Vienna, Austria
- 2010: Bordeaux, France
- 2011: Pisa, Italy
- 2012: Bern, Switzerland
- 2013: Istanbul, Turkey
- 2014: Vienna, Austria
- 2015: Luxembourg
- 2016: **BOCHUM**



# Connectathon - Europa



2013 - Istanbul



2014 - Wien



# Connectathon Ergebnisse

The screenshot shows a web browser window with the URL `connectathon-results.ihe-europe.net`. The page features the IHE logo and the text "Integrating the Healthcare Enterprise". On the left, there is a navigation menu with the following items: "Simple browsing" (selected), "Advanced browsing", "www.ihe.net", and "www.ihe-europe.net". The main content area is titled "Connectathon Results Browsing" and contains four search filters, each with a "Go" button and an information icon:

- Filter 1: "-- Select a connectathon --" with a dropdown arrow and a "Go" button with an information icon.
- Filter 2: "Or" followed by "-- Select a vendor --" with a dropdown arrow and a "Go" button.
- Filter 3: "Or" followed by "-- Select an actor --" with a dropdown arrow and a "Go" button.
- Filter 4: "Or" followed by "-- Select an integration profile --" with a dropdown arrow and a "Go" button. A mouse cursor is pointing at this filter.



# Connectathon Ergebnisse

- Simple browsing
- Advanced browsing
- www.ihe.net
- www.ihe-europe.net

## Result Matrix For connectathon : "Europe 2015"

[\[New Search\]](#) [\[Save as xls\]](#)

Result with :

- All Actors
- All Integration Profiles
- Connectathon is "Europe 2015"
- All Companies

	Sharing Value Sets		Healthcare Provider Directory			Radiation Exposure Monitoring				Patient Identifier Cross-Reference HL7 V3			Emergency Department Referral		Exchange of Personal Health Record Content		Patient Demographic Query HL7 V3		Cross-Enterprise Document Sharing & Scanned Document			
	Value Set Consumer	Value Set Repository	Provider Information Consumer	Provider Information Directory	Provider Information Source	Image Manager	Acquisition Modality	Dose Information Consumer	Dose Information Reporter	Dose Register	Patient Identity Consumer	Patient Identity Cross-Reference Manager	Patient Identity Source	Content Consumer	Content Creator	Content Consumer	Content Creator	Patient Demographics Consumer	Patient Demographics Supplier	Content Consumer	Content Creator	
Adaptive TechSoft			*																			
AGFA Healthcare																						
A-thon S.r.l.																				*		
Bard Access Systems																						
Brainlab AG																						
Carestream Health (formerly known as Kodak)																						
CHILI GmbH																						
Data Processing S.p.A.																						
Dedalus S.p.a.																						
Deutsche Telekom Healthcare Security Solutions GmbH																						
Engineering Ingegneria Informatica																						
ENOVACOM																						
EOS imaging																						
Exprivia Healthcare IT																						
Farcare BV																						
Fujifilm																						
GE Healthcare																						
Global Imaging OnLine																						
GPI SPA																						
Healthcare Software Systems Ltd																						
Health Communication Service GmbH																						
IASI Srl																						
IDO-in																						
INFINITT																						
INSTEL S.p.A																						
InterComponentWare AG																						
IRM, Inc.																						
ITH icoserve technology for healthcare GmbH																						
Kontron Biomedica																						

- Simple browsing
- Advanced browsing
- www.ihe.net
- www.ihe-europe.net

## Result Matrix For company : "Deutsche Telekom Healthcare Security Solutions GmbH"

[\[New Search\]](#) [\[Save as xls\]](#)

Result with :

- All Actors
- All Integration Profiles
- All Connectathons
- Company is "Deutsche Telekom Healthcare Security Solutions GmbH"

	Patient Demographic Query HL7 V3	Patient Identifier Cross-Reference HL7 V3	Cross-Enterprise Clinical Documents Share (XDS.b)	Consistent Time	Audit Trail and Node Authentication
Patient Identity Source		*			
Time Client				*	
Document Consumer			*		
Document Source			*		
Patient Demographics Consumer	*				
Secure Application					*

[\[New Search\]](#) [\[Save as xls\]](#)

### Disclaimer

The results expressed as IHE Connection results for a company in these tables imply that the company has successfully tested one or more product(s) implementing the mentioned integration profiles and actors. Users of IHE should consult the IHE Integration the IHE actors and integration profiles that are supported by a specific product and version. The link by the vendor name (v) provide access to the vendor's IHE Integration Statements.

When such a link is absent, companies have not yet registered their IHE Integration Statement Web pages. To do so contact [Chris Corn](#) in the North America and [Eric Peisseu](#) in Europe.

# Produkt Verzeichnis (Product registry)

IHE Product Registry
Sign-in CAS Sign-in

IHE Product Registry
Introduction
Search Integration Statements
TF

## Search Integration Statements

Search criteria

Like	<input type="text"/>	▼	✕	
Organization	IBM - IBM	▼	✕	?
System name	<input type="text"/>	▼	✕	
System type	<input type="text"/>	▼	✕	
System sub type	<input type="text"/>	▼	✕	
Domain	<input type="text"/>	▼	✕	
Integration profile	<input type="text"/>	▼	✕	
Actor	<input type="text"/>	▼	✕	
Publication Date	Any	▼		
				Int Prof. option <input type="text"/>
				Transaction <input type="text"/>

Reset

### 3 Integration Statements for this search

<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 30%;">Organization</td><td>IBM</td></tr> <tr><td>System/Product name</td><td>IBM Initiate Master Data Service</td></tr> <tr><td>Version</td><td>9.7</td></tr> <tr><td>Publication Date</td><td>1/15/10</td></tr> <tr><td>Integration statement</td><td><a href="#">View</a></td></tr> <tr><td>Similarity</td><td><a href="#">Find similar systems</a></td></tr> </table> </div> <div style="border: 1px solid #ccc; padding: 5px;"> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 30%;">Organization</td><td>IBM</td></tr> <tr><td>System/Product name</td><td>XDS Suite for IBM Health Information Exchange</td></tr> <tr><td>Version</td><td>2.3</td></tr> <tr><td>Publication Date</td><td>4/22/10</td></tr> <tr><td>Integration statement</td><td><a href="#">View</a></td></tr> <tr><td>Similarity</td><td><a href="#">Find similar systems</a></td></tr> </table> </div>	Organization	IBM	System/Product name	IBM Initiate Master Data Service	Version	9.7	Publication Date	1/15/10	Integration statement	<a href="#">View</a>	Similarity	<a href="#">Find similar systems</a>	Organization	IBM	System/Product name	XDS Suite for IBM Health Information Exchange	Version	2.3	Publication Date	4/22/10	Integration statement	<a href="#">View</a>	Similarity	<a href="#">Find similar systems</a>	<div style="border: 1px solid #ccc; padding: 5px; margin-bottom: 10px;"> <table style="width: 100%; border-collapse: collapse;"> <tr><td style="width: 30%;">Organization</td><td>IBM</td></tr> <tr><td>System/Product name</td><td>IBM Initiate Master Data Service</td></tr> <tr><td>Version</td><td>9.5</td></tr> <tr><td>Publication Date</td><td>1/25/11</td></tr> <tr><td>Integration statement</td><td><a href="#">View</a></td></tr> <tr><td>Similarity</td><td><a href="#">Find similar systems</a></td></tr> </table> </div>	Organization	IBM	System/Product name	IBM Initiate Master Data Service	Version	9.5	Publication Date	1/25/11	Integration statement	<a href="#">View</a>	Similarity	<a href="#">Find similar systems</a>
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Similarity	<a href="#">Find similar systems</a>																																				

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English ▼

# Integration Statements

Integration Statement	
Vendor	Product Name
abc	abc
This product implements all transactions required in Integration Profiles, Actors and Options listed below	
Integration Profiles Implemented	Actors Impl
Profil-X	Akteu
	Akteu
	Akteu
Profil-Y	Akteu
Internet address for vendor's IHE in	
Links to Standards Conformance Sta	
HL7	
DICOM	
...	
Links to general inf	
North America	Euro
<a href="http://www.iheusa.org/">http://www.iheusa.org/</a>	<a href="http://www.ih">http://www.ih</a>

## Integrating the Healthcare Enterprise (IHE) Integration Statement for IBM

IHE Integration Statement			
Vendor	Product Name	Version	Date
IBM	IBM® Initiate® Master Data Service®	9.7	25 January 2012
This product implements all transactions required in the IHE Technical Framework to support the IHE Integration Profiles, Actors and Options listed below:			
Profiles Implemented	Actors Implemented	Options Implemented	
Audit Trail and Node Authentication	Secure Application	ATNA Encryption	
Consistent Time	Time Client	Secure NTP	
Patient Administration Management	Patient Demographics Supplier	Merge	
Patient Demographic Query HL7 V3	Patient Demographics Supplier	Pediatric Demographics	
Patient Demographics Query	Patient Demographics Supplier	Patient Demographics and Visit Query, Pediatric Demographics	
Patient Identifier Cross-Reference HL7 V3	Patient Identifier Cross-reference Manager Patient Identity Source		
Patient Identifier Cross-referencing for MPI	Patient Identity Cross-reference Manager Patient Identity Source	Pediatric Demographics Pediatric Demographics	
<b>Internet address for vendor's IHE information:</b>			
<a href="http://www.research.ibm.com/files/IBM_IHE_IntegrationStatement.html">http://www.research.ibm.com/files/IBM_IHE_IntegrationStatement.html</a>			
<b>Links to Standards Conformance Statements for the Implementation</b>			
HL7: <a href="http://www.hl7.org/">http://www.hl7.org/</a>			
DICOM: <a href="http://medical.nema.org/">http://medical.nema.org/</a>			
<b>Links to general information on IHE</b>			
North America: <a href="http://www.rsn.org/IHE">http://www.rsn.org/IHE</a>		Europe: <a href="http://www.ihe-europe.org">http://www.ihe-europe.org</a>	In Japan: <a href="http://www.ihe-j.org">www.ihe-j.org</a>

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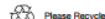
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# Registrierungsprozess

- <http://connectathon.ihe-europe.net>
  - Account anlegen
  - Informationen zur Organisation und zum System eintragen
  - Vertrag ausdrucken, unterschreiben und versenden
  - Webinar für die Teilnehmer besuchen
  - Rechnung bezahlen
  - Log-Files zurück melden – Deadline beachten!
  - nach Bochum fahren 😊

## Connectathon BOCHUM 2016 Important Facts

Registration period: December 1, 2015 - January 15, 2016

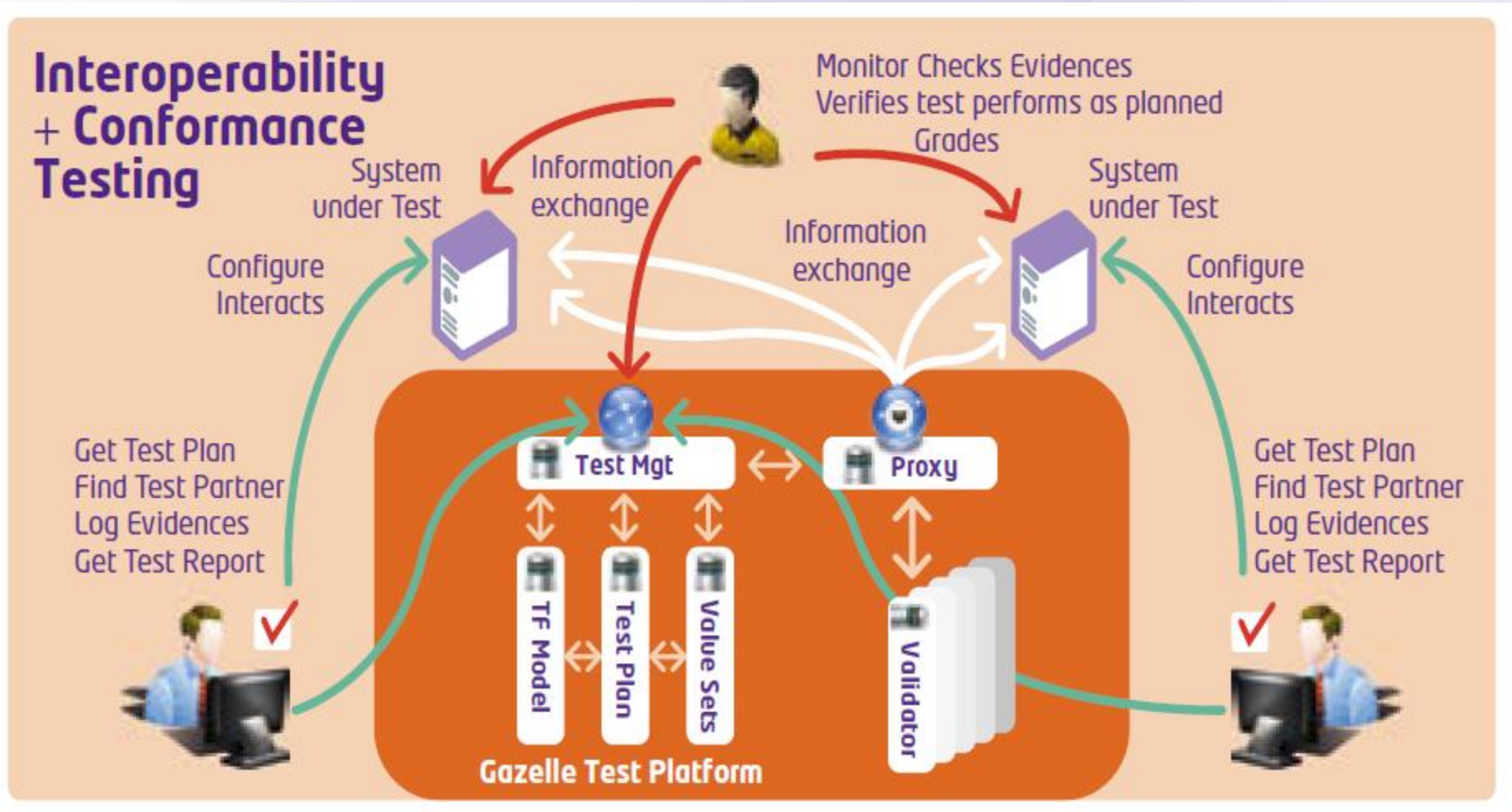
Payment deadline: February 29, 2016

Connectathon dates: April 11 – 15, 2016

Event information: [connectathon.ihe-europe.net](http://connectathon.ihe-europe.net)

E-Mail: [connectathon@ihe-europe.net](mailto:connectathon@ihe-europe.net)

# Ablauf der Tests





## RAHMENPROGRAMM

Mit exklusiven VIP-TOURS über den IHE-Connectathon

### 12. April 2016 **JOINT EUROPEAN SYMPOSIUM**

ca. 10 - 18 Uhr

Von Interoperabilität aus politischer Sicht, über Interoperabilität in europäischen Projekten bis hin zu konkreten Nutzererfahrungen  
 – Strategien und Entwicklungen auf europäischer Ebene stehen beim „Joint European Symposium“ im Fokus.

### 13. April 2016 **DEUTSCHER INTEROPERABILITÄTSTAG**

ca. 10 - 18 Uhr

unterstützt durch



Aus der Versorgung zur Interoperabilität: Vertreterinnen und Vertreter aus der Politik, Selbstverwaltung sowie Anwender und Industrie referieren über ihre Ansätze zur Schaffung von Interoperabilität. Seien Sie dabei, wenn die Weichen für Interoperabilität in Deutschland gestellt werden!

### im Anschluss **SOCIAL EVENT im RuhrCongress Bochum**

### 14. April 2016 **VERBÄNDETAG**

im Anschluss

Gemeinsames Social Event mit den Teilnehmerinnen und Teilnehmern des IHE-Connectathon im nebenan gelegenen rewirpower-STADION



## **SAVE the DATE** **IHE-CONNECTATHON 2016 in Bochum**

- Interoperabilität von IT-Systemen unter realen Bedingungen testen
- IT-Systeme auf den Praxiseinsatz vorbereiten
- Einsatz von IT-Standards fördern

**IHE**  
EUROPE

**CONNECTATHON**

**BOCHUM**



**APRIL 11-15 2016**