

# OPEN INTERNET EXCHANGES

**Wouter van Hulten**  
**FRNOG 21, 20 September 2013**

# AGENDA

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- **Au début**
- **Internet Exchanges**
- **Dernières nouvelles**

# INTERXION AU DEBUT

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**European Telecom Exchange BV**

**1998**

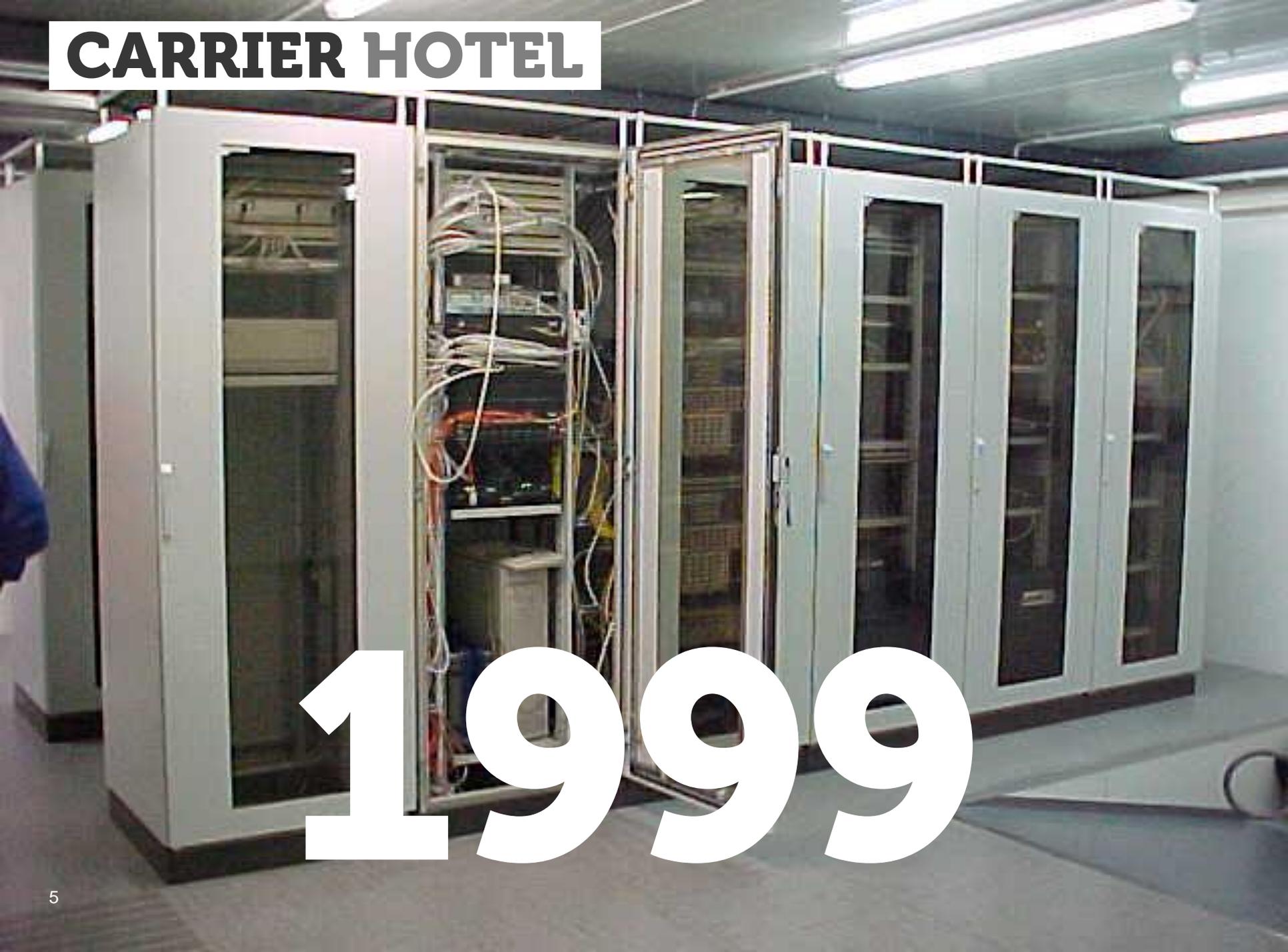
# INTERXION AU DEBUT

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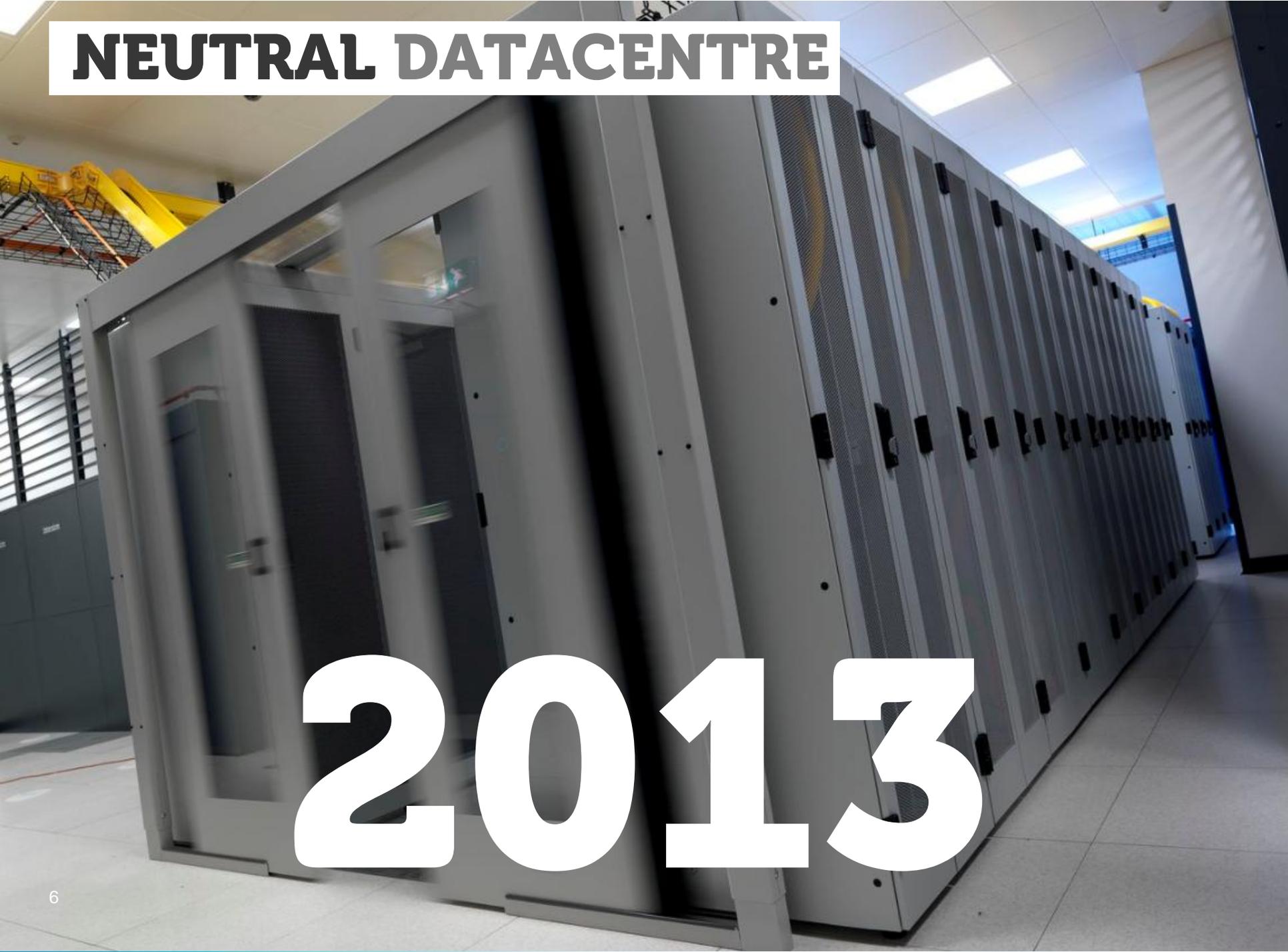
**1998**

# CARRIER HOTEL



1999

# NEUTRAL DATACENTRE

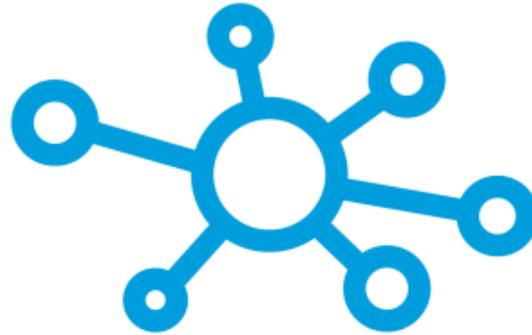


2013

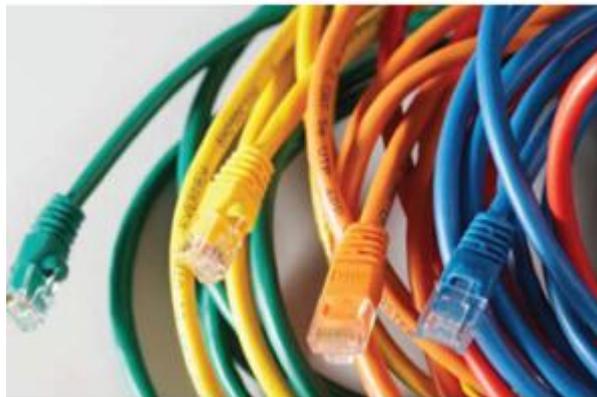
# CLOUD HUBS

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**Datacentres**



**Communities  
of Interest**



**Interconnection**

# GEOGRAPHIC COVERAGE

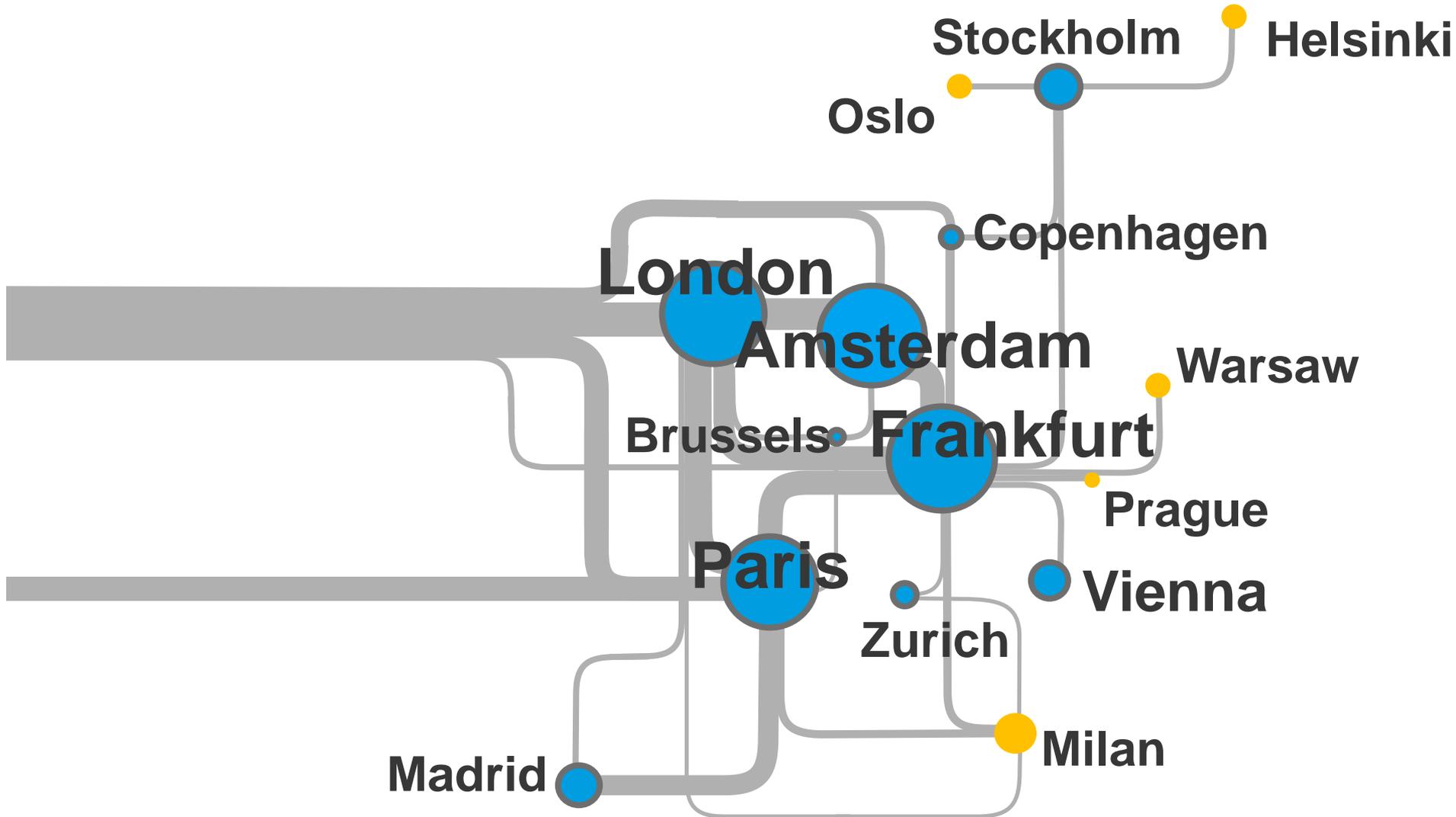


# ECONOMIC CENTRES



# NETWORKING CENTRES

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# Internet Exchanges

## Les "GIX"

# GERMANY: UPGRADE THE DATACENTER

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**DE-CIX**

**1999**





# FRANCE: LE SFINX A DEUX SITES

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# 2000



MIDEST

PROF. J. KOWAL  
VETEMENTS &  
ACCESSOIRES  
100% COTON  
100% LAINA  
100% LINON

PROF. J. KOWAL  
VETEMENTS &  
ACCESSOIRES  
100% COTON  
100% LAINA  
100% LINON



# SUISSE: NOUVELLE ASSOCIATION

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**swissix**  
SWISS INTERNET EXCHANGE

The logo for swissix features the word "swissix" in a bold, lowercase, sans-serif font. Below it, the words "SWISS INTERNET EXCHANGE" are written in a smaller, uppercase, sans-serif font. A thick red diagonal slash is drawn over the "ix" portion of "swissix" and extends downwards and to the right.

**2000**

# EUROPE: PARTAGER LE SAVOIR-FAIRE

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~~Euro-IX~~

2001



2009

# FRANCE: CONVERGENCE

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# 2010

interxion





UNIFLAIR

Yellow safety warning label

PSI-19220-MIA-PR-015

PSI-19220-CVA-04

PSI-19220-AVA-04

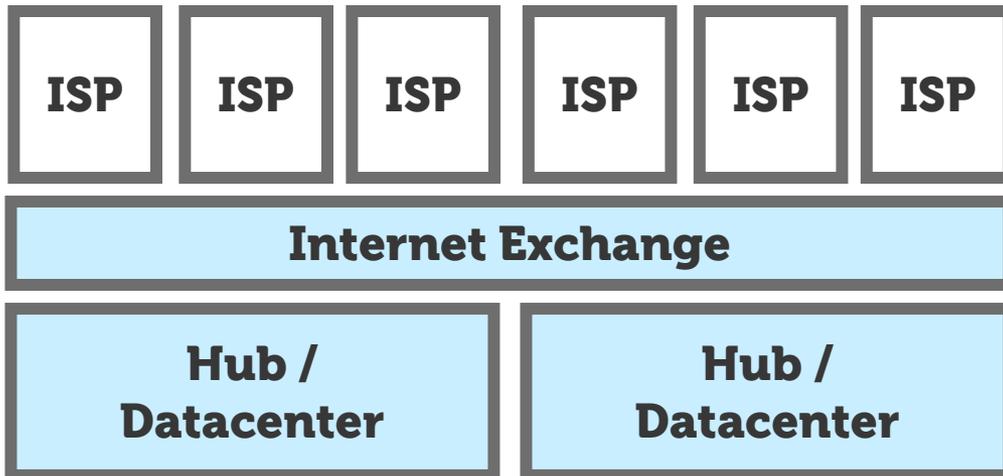




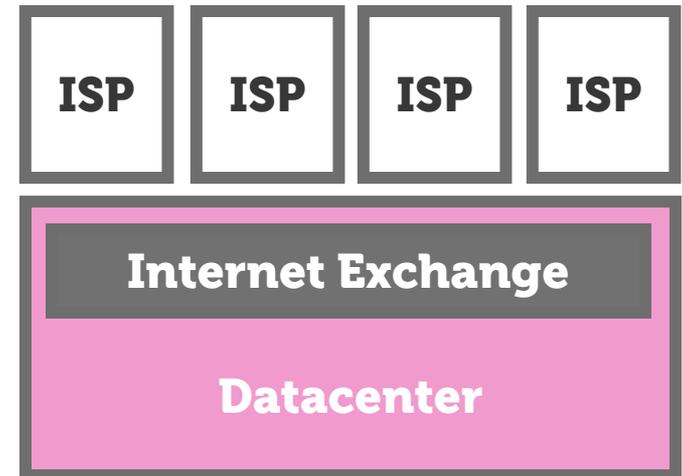


# "EUROPEAN" VS. "US" MODEL

## EUROPE: MULTI-SITE



## USA: SINGLE VENDOR



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# Dernières nouvelles

**UNITED STATES**

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**RIPE-66:**

**What is your cost of  
interconnection?**

<https://ripe66.ripe.net/presentations/281-oixp-marty-v2.pptx>

**2013**

# open:IX

For more information contact us at [info@open-ix.org](mailto:info@open-ix.org)

The background features a dark, abstract design with glowing white lines and a funnel-like shape on the left side. The lines form a grid-like pattern that recedes into the distance, creating a sense of depth and movement. The funnel shape is composed of several curved, overlapping planes that converge towards the center.

# 2013

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- [www.open-ix.org](http://www.open-ix.org)
  - <http://open-ix.org/pipermail/public/>
  - <https://www.facebook.com/groups/606743672686288/>

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# **Let's have Open, Transparent and Competitive Internet Exchanges**

**NEW YORK CITY**

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**DE-CIX**

**18-9-2013**



**MERCI !**

**Wouter van Hulten**

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**interxion™**

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