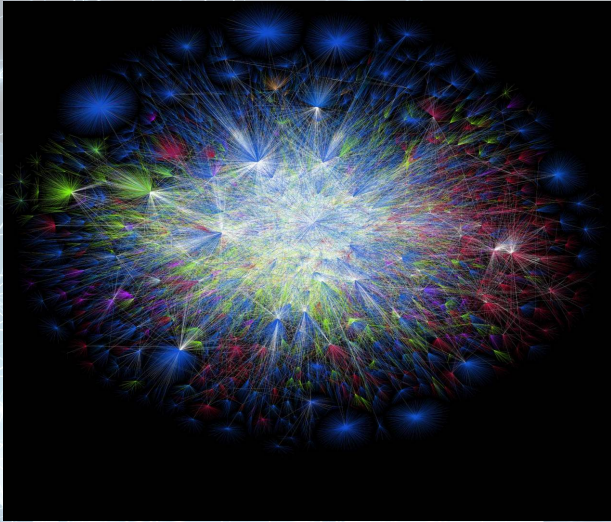


The Opte Project

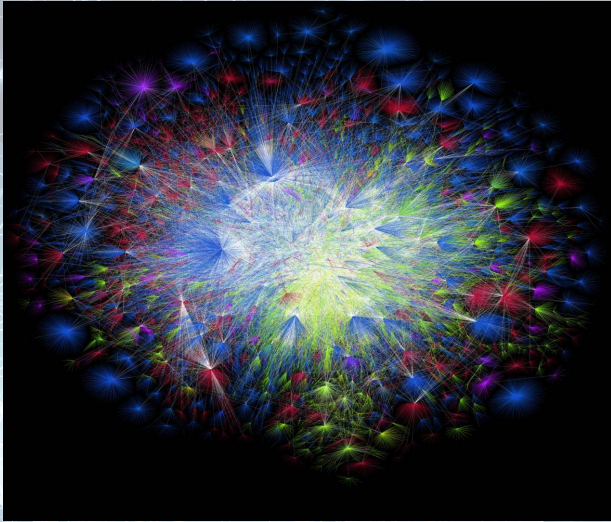
- Visualisierung durch „*The Opte Project*“, Barrett Lyon, 11. Juli 2015
- Zu sehen im „*The Museum of Modern Art*“ und „*Museum of Science's*“ unter „*Mapping the World Around Us*“.
 - ▶ Rot: Asien/Pazifik (APNIC)
 - ▶ Grün: Europa (RIPE)
 - ▶ Blau: Nord Amerika (ARIN)
 - ▶ Orange: Afrika (AFRINIC)
 - ▶ Violet: Latein Amerika (LACNIC)
 - ▶ Weiß: Backbone

The Opte Project - 2003



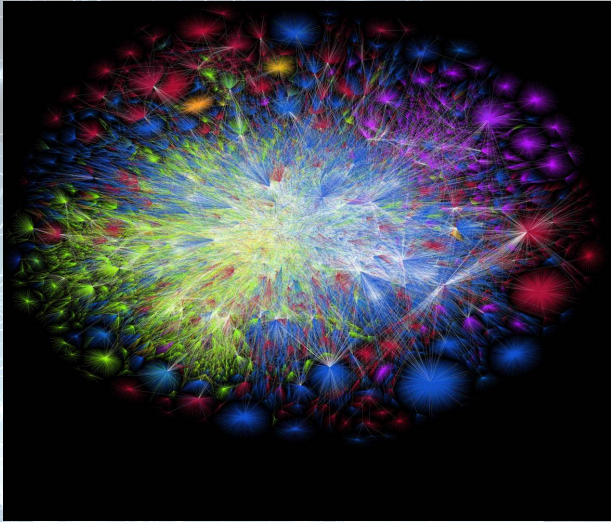
2003 A visualization of routing paths of the Internet on July 8, 2003, shows how the Internet was predominantly overrun by North America. There was less connectivity in Europe and Asia-Pacific, and the least connectivity in Africa and Latin America. Barrett Lyon

The Opte Project - 2006



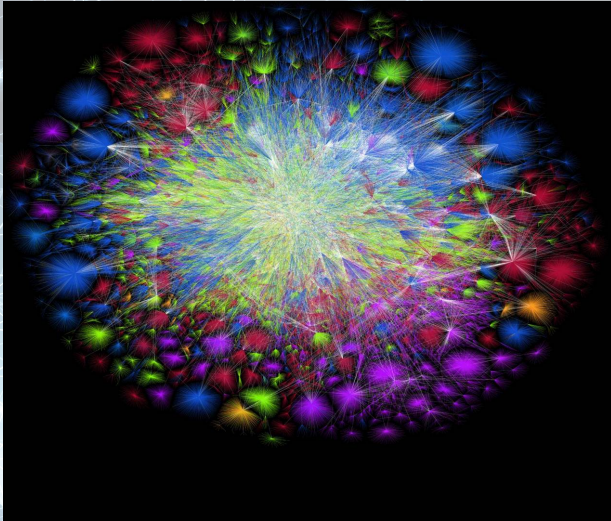
2006 Three years later, on July 8, 2006, there is increased connectivity in Europe, while Internet routing paths are beginning to become more visible in Asia-Pacific and Latin America. Here's an example: the center of Latin America starburst towards the top-left corner represents UNINET Mexico (Telemex), which is a large Internet Service Provider (ISP) in Mexico. Barrett Lyon

The Opte Project - 2009



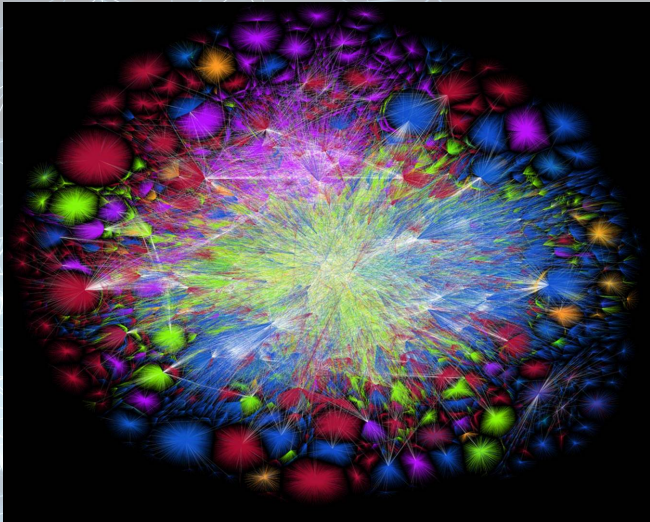
2009 By July 8, 2009, large networks of Internet routing paths in Europe, Asia-Pacific and Latin America have become visible. Connectivity in Africa remained relatively low. Here's an example: the center of the big Asia-Pacific starburst at 4 o'clock represents the China Education and Research Network Center, which is a massive state-funded network universities across the nation. Barrett Lyon

The Opte Project - 2012



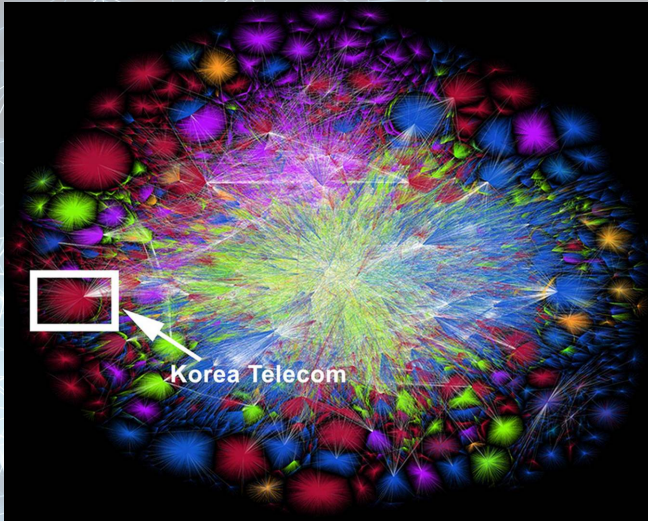
2012 As the Internet grows, the center of the map becomes more dense with connections. That's because more users are connecting to more ISPs, which, when mapped, results in more lines. Here's an example: the center of the Africa starburst at 4 o'clock represents Telecom Egypt (TE Data), an ISP in Egypt that had 1.2 million customers in 2012. Barrett Lyon

The Opte Project - 2015



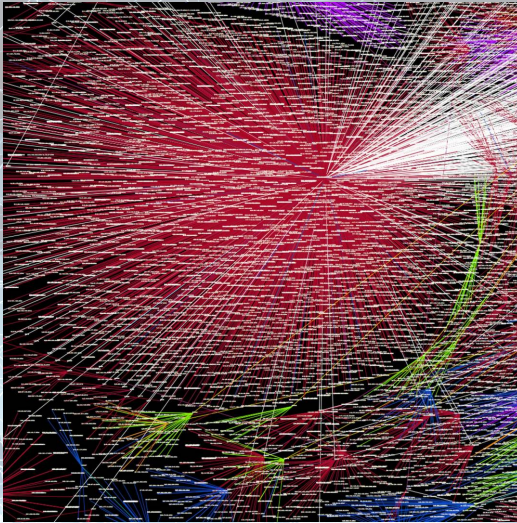
July 11, 2015 Strong growth of Latin America networks through the years has resulted in an Internet that is no longer North America-centric. Barrett Lyon

The Opte Project - Korea Telecom



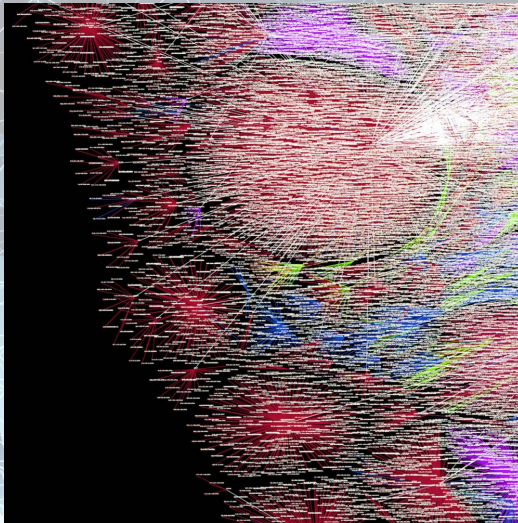
Korea Telecom, South Korea's largest internet provider, is a small part of the internet, but a closer look shows it is quite extensive. Barrett Lyon

The Opte Project - Korea Telecom, Zoom 1



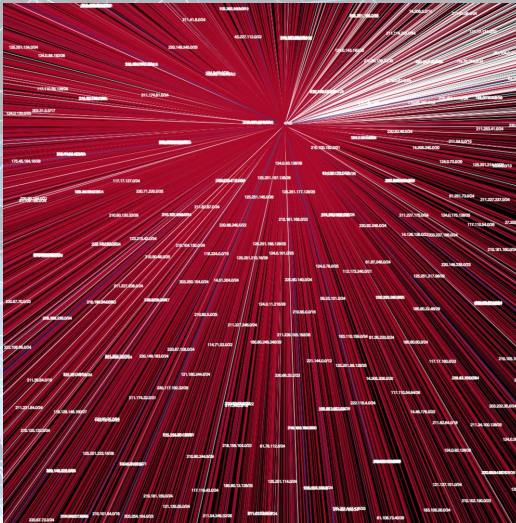
A closer look at Korea Telecom

The Opte Project - Korea Telecom, Zoom 2



A even closer look at Korea Telecom

The Opte Project - Korea Telecom, Zoom 3



The closest look at Korea Telecom shows the many individual IP addresses that together make up an essential part of the internet. Barrett Lyon