An alternative to user-owned x.509 = eduGAIN

Source: eduGAIN, data taken March 2016
Our puzzle

• Research teams are international
• WLCG has over 10,000 users, many of whom have never been to CERN
• They need to access the same computing services
• We need to know who they are
• How do we do this?
• So far, has been done via personal x.509 certificates and user registration in VOMS
• There are some problems with this method
• Now we have an alternative, eduGAIN...
• ... but it’s not perfect
• We have identified the gaps
• And we’re finding solutions