

# JISCとUK-FAMについて

国立情報学研究所 山地一禎

# http://www.jisc.ac.uk/

The screenshot shows the JISC website homepage. At the top, there is a search bar with the text "Search for Enter your search in the whole JISC site" and a "Go" button. Below the search bar is a navigation menu with links for "Home", "About us", "What We Do", "Funding", "Publications", "News", "Events", and "Contact us". The main content area features a large red banner with the text "Innovation in the use of ICT for education and research" and a sub-link "Find out more about us | activities we manage and fund | our funders". To the left of the banner is a sidebar with a list of categories: "Network & Infrastructure", "Digitisation", "Digital Repositories", "Green ICT", "Learning & Teaching Practice", "Research & Innovation", "Learning Resources", "Open Technologies", "Institutional ICT", "Interoperability", "Standards", "Web 2.0", "Staff Development", "Access & Identity", "Business & Community Engagement", and "Digital Libraries". Below this list is a "view all topics" link. The main content area is divided into several sections: "Latest funding opportunities" (with an orange button), "Featured activities" (with a blue button), "Podcasts" (with a blue button), "News" (with an orange button), and "Events" (with an orange button). Each section contains a brief description of the activity or news item, along with a "read more" link. At the bottom of the page, there is a footer with copyright information: "© 2009 HEFCE, on behalf of JISC | Privacy | Jobs | Freedom of Information | Our Funders | JISC Involve blogs".

Search for Enter your search in the whole JISC site Go

JISC Accessibility | Site map | Glossary

Home | About us | What We Do | Funding | Publications | News | Events | Contact us

Customise your JISC homepage content

## Innovation in the use of ICT for education and research

Find out more about us | activities we manage and fund | our funders »

Network & Infrastructure Digitisation Digital Repositories Green ICT Learning & Teaching Practice Research & Innovation Learning Resources Open Technologies Institutional ICT Interoperability Standards Web 2.0 Staff Development Access & Identity Business & Community Engagement Digital Libraries

[view all topics »](#)

### Podcasts

Listen to our regular podcasts of interviews with senior figures from education, research and other sectors... [our podcasts »](#)

**Latest podcast:** Podcast: Mobile Learning: Telling Tales - 17 Aug 2009

### Latest funding opportunities

### Featured activities

#### Virtual Research Environment videos

These videos feature projects from JISC's virtual research environment programme, which is trying to find ways to connect people and speed up research processes across disciplines. These include astronomy, physics, electronics, chemistry and the study of ancient documents. [read more »](#)

#### Carbon footprint tool

A new tool from JISC is helping universities and colleges calculate just how eco-friendly they are, by estimating the carbon footprint left by their computers. The tool estimates the overall amount of electricity used, and the related carbon emissions, to help institutions target areas for energy saving. [read more »](#)

### News

New videos show how researchers use advanced technology  
18 Aug 2009

Podcast: Mobile Learning: Telling Tales  
17 Aug 2009

From Gorbachev to global warming: education experts choose images for JISC Collections archive  
12 Aug 2009

Carbon footprint tool from JISC helps universities and colleges tread more carefully  
7 Aug 2009

[more news »](#)

### Events

Access and Identity Management Briefing Day  
17 Sep 2009 10:30

UK federation in practice: Case Studies from the Community  
14 Oct 2009 09:45

[more events »](#)

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# http://www.surfnet.nl/

The screenshot shows the SURFnet.nl website homepage. At the top, there is a navigation bar with the SURF NET logo and the tagline "WE MAKE INNOVATION WORK". Below this is a large banner image of a group of people in a modern building. The main content area is divided into several sections:

- ACTUEEL:** A list of recent news items, including "SURFnet werkt mee aan IPv6 Awards 2009" (dated 5-8-2009) and "SURFmedia 2.0 beschikbaar" (dated 4-8-2009).
- BEST PRACTICE:** A section titled "Virtuele omgevingen" (Virtual environments) featuring a video player showing a virtual environment.
- MOVIECONTEST:** A section titled "it's all in your hands" with a video player showing a person holding a device.
- WERKEN BIJ SURFNET:** A section titled "WERKEN BIJ SURFNET" featuring a video player showing a man speaking.
- AGENDA:** A section titled "AGENDA" listing upcoming events, including "Workshop Leren in social networks" and "Workshop Webconferencing".

The website also features a search bar, a RSS feed icon, and a footer with the text "インターネット | 保護モード: 有効" and a zoom level of 100%.

http://www.nii.ac.jp/

The image shows a screenshot of the National Institute of Informatics (NII) website. The browser address bar displays "http://www.nii.ac.jp/". The website header includes the NII logo, the name "国立情報学研究所 National Institute of Informatics", and navigation links for "サイトマップ", "お問い合わせ", and "アクセス". A search bar is also present.

The main content area is divided into several sections:

- NEWS ニュース**: A list of recent news items with dates and titles, such as "「多様なサービスを変えるSINET3の詳細ネットワーク設計」が「電子情報通信学会通信/サイエティ論文賞」を受賞しました。" dated 09/08/05.
- EVENT イベント**: A list of upcoming events, including "総合研究大学院大学情報学専攻 大学院入試説明会の開催" dated 09/11/13.
- PICK UP 最新話題**: A section highlighting specific topics, such as "「社会インバプションを誘発する情報システムに関する国際ワークショップ(BSSJ)」についてのお知らせを掲載しました。" dated 09/08/05.

On the right side, there are sections for "教員紹介" (Faculty Introduction) featuring a photo of a professor and "サービス・事業紹介" (Service/Project Introduction) with text about software technology development.

On the left side, there are promotional banners for "NII Today" (No. 44, June 2009), "NII オープンハウス", "市民講座" (Citizen Lectures), "Progress in Informatics" (magazine), "NII メールマガジン" (newsletter), "情報学専攻博士課程" (PhD program), "情報研シリーズ" (Information Research Series), and "トップエッセイ" (Top Essays).

A blue callout box in the bottom right corner contains the text "どこかクリックしたい?" (Do you want to click somewhere?).

http://www.nii.ac.jp/index.php?action=pages\_view\_main&page\_id=84

The screenshot shows the NII website interface. The main content area is titled "サービス・事業" (Services/Business) and is divided into three tabs: "研究系サービス・ソフトウェア" (Research Services/Software), "学術情報流通基盤整備事業" (Academic Information Circulation Infrastructure Improvement Project), and "学術系コンテンツサービス" (Academic Content Services). The "学術系コンテンツサービス" tab is selected, displaying a grid of services:

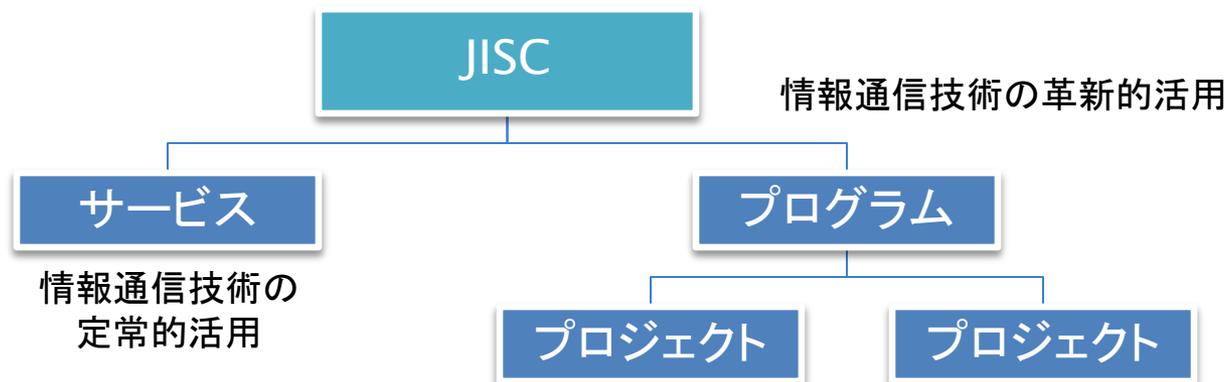
サービス名	説明
GeNii (NII学術コンテンツ・ポータル)	学術論文、図書・雑誌、研究成果概要など多様な学術情報を統合的に検索できる「ポータル」(入り口)です。
CiNii (NII論文情報ナビゲータ)	日本の学術論文情報を総合的に検索できます。一部は抄録や本文、引用文献情報も利用できます(有料)
Webcat Plus	目次・内容・所蔵図書館情報などを含む、広範囲な図書や雑誌の情報です。キーワードや文章から関連する図書を連想的に検索することができます。
KAKEN (科学研究費補助金データベース)	文科省及び日本学術振興会の科学研究費補助金で行われた研究の採択課題や成果概要です。
NII-DBR (学術研究データベース・リポジトリ)	国内の研究者等が作成している専門的なデータベースを集約・公開しています。
JAIRO (学術機関リポジトリポータル)	日本の学術機関リポジトリ論文、学位論文、断片的に検索できるサービス

At the bottom of the page, there is a blue call-to-action button that says "どこかクリックしたい?" (Do you want to click somewhere?).

# About JISC

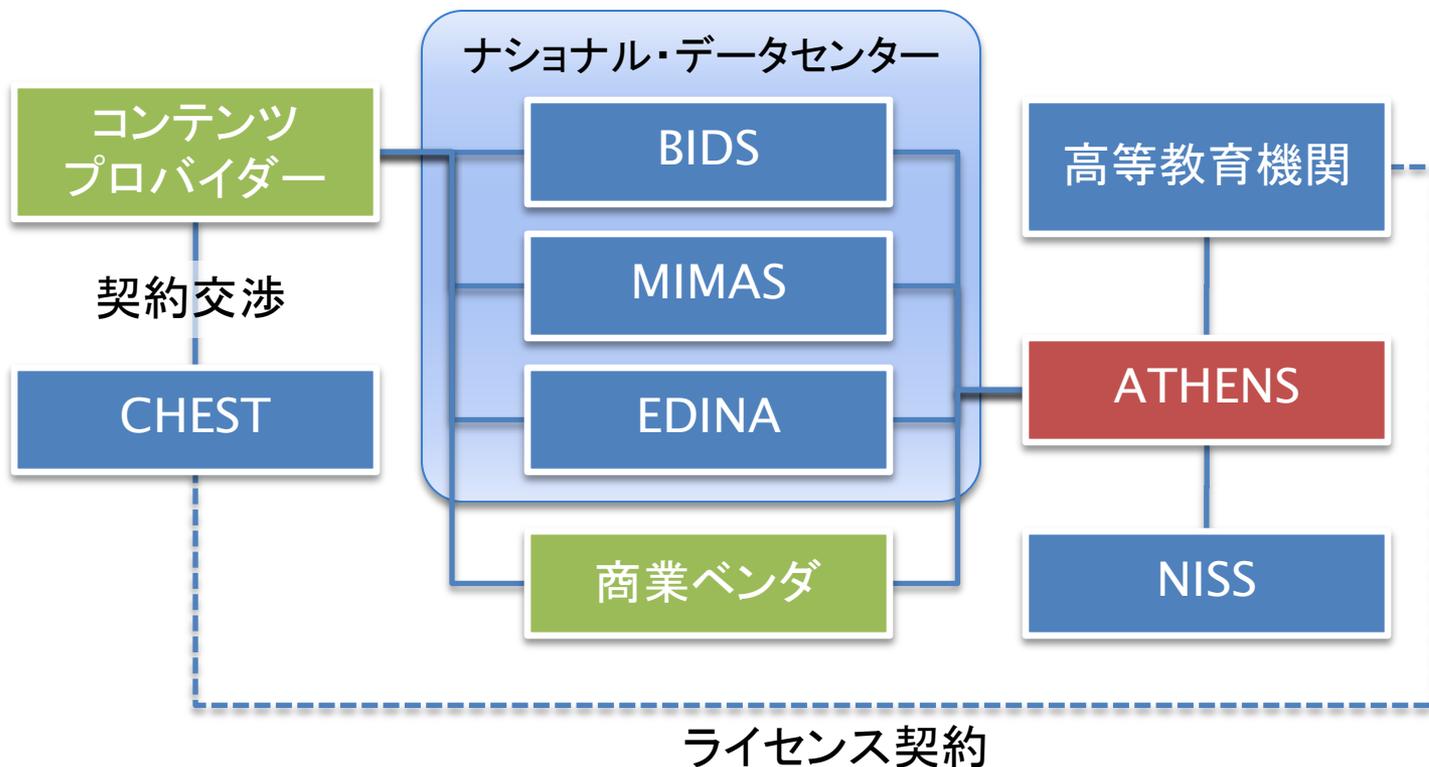
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- ▶ JISC inspires UK colleges and universities in the innovative use of digital technologies, helping to maintain the UK's position as a global leader in education.
  - ▶ A world-class network – JANET
  - ▶ Access to electronic resources
  - ▶ New environments for learning, teaching and research
  - ▶ Guidance on institutional change
  - ▶ Advisory and consultancy services
  - ▶ Regional support for FE colleges – RSCs



# ATHENS時代の学術情報提供モデル

- ▶ 個々の機関で行う必要のない業務を一元化する傾向



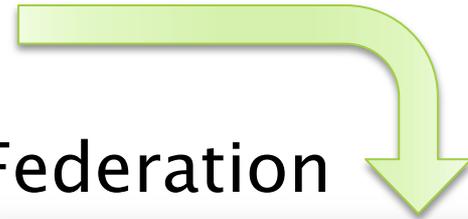
- ATHENS: 全国認証システム
- CHEST (The Combined Higher Education Software Team): 合同高等教育ソフトウェアチーム
- NISS (National Information Services and System): 全国学術情報サービス基盤センター

# AthensからShibbolethへ

## ▶ Athens



2008年7月: JISCがAthensへのfundingを中止  
Eduservが有料で継続サービスを提供



## ▶ The UK Access Management Federation

### ▶ Shibboleth 1.3



2009年

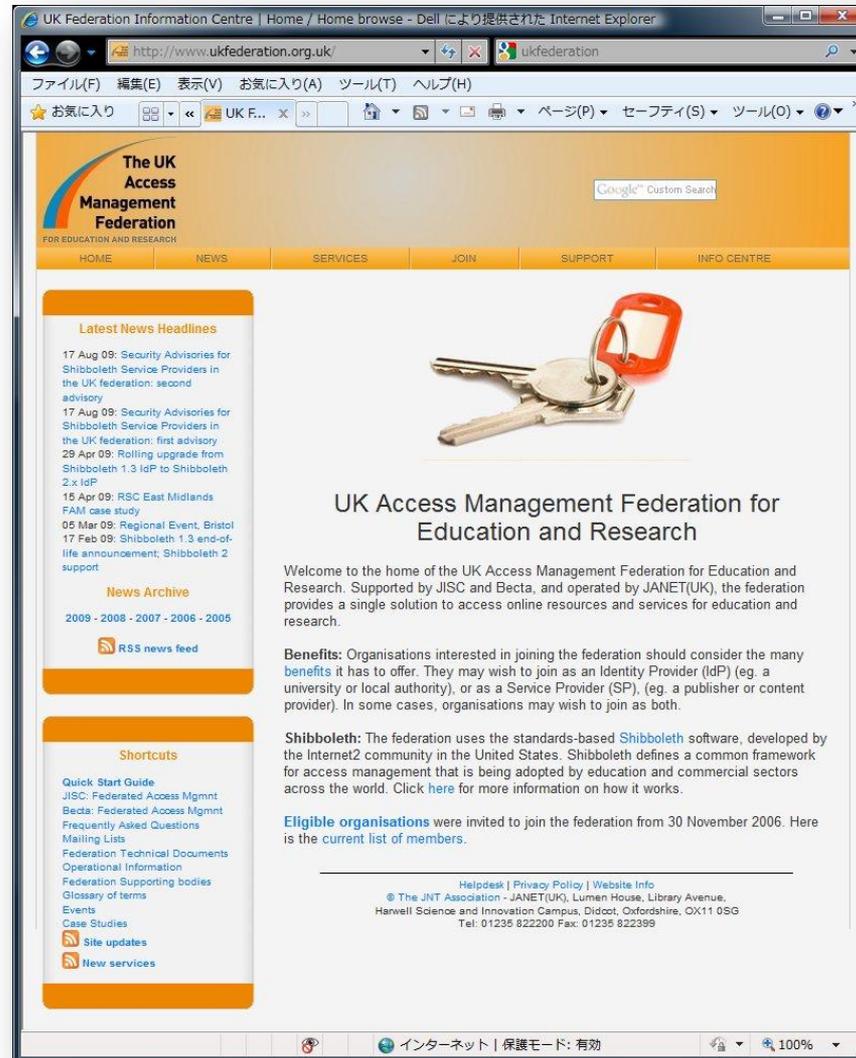
### ▶ Shibboleth 2.x

Welcome to Eduserv

Eduserv is a not-for-profit IT services organisation and a registered charity. Our mission is to realise the benefits of IT for learning and research. We are dedicated to developing effective technology solutions that meet the needs of universities, colleges and public sector organisations.

<b>Access &amp; Identity Management</b>	<b>Licence Negotiation Services</b>
 Secure access and identity management through <b>OpenAthens</b> - a trusted way to connect your institution to online resources	 Our <b>Chest Agreements</b> deliver preferential software and data licences to the education community
<b>Access &amp; Identity Management</b>	<b>Licence Negotiation Services</b>
<b>Web Solutions</b>	<b>Research and Innovation</b>
 A range of web hosting, web development, content management and consultancy solutions for the education and wider public sector	 Demonstrators and pilots, forward-thinking research, best practice guidelines and events for the academic community
<b>Web Solutions</b>	<b>Research and Innovation</b>
<b>Data Centre Services</b>	<b>About Eduserv</b>
 Highly secure, resilient, energy efficient and cost effective - our state-of-the-art Swindon data centre is designed to meet the demands of large and complex organisations	 Established in 1999 from a group of university-led services, Eduserv is a not-for-profit IT service provider based in Bath, UK
<b>Data Centre Services</b>	<b>About Eduserv</b>

# The UK Access Management Federation



UK Federation Information Centre | Home / Home browse - Dell により提供された Internet Explorer

http://www.ukfederation.org.uk/

ファイル(F) 編集(E) 表示(V) お気に入り(A) ツール(T) ヘルプ(H)

お気に入り UK F... x

HOME NEWS SERVICES JOIN SUPPORT INFO CENTRE

**The UK Access Management Federation**  
FOR EDUCATION AND RESEARCH

Google™ Custom Search

**Latest News Headlines**

- 17 Aug 09: Security Advisories for Shibboleth Service Providers in the UK Federation: second advisory
- 17 Aug 09: Security Advisories for Shibboleth Service Providers in the UK Federation: first advisory
- 29 Apr 09: Rolling upgrade from Shibboleth 1.3 IdP to Shibboleth 2.x IdP
- 15 Apr 09: RSC East Midlands FAM case study
- 05 Mar 09: Regional Event, Bristol
- 17 Feb 09: Shibboleth 1.3 end-of-life announcement; Shibboleth 2 support

**News Archive**

2009 - 2008 - 2007 - 2006 - 2005

RSS news feed

**Shortcuts**

- Quick Start Guide
- JISC: Federated Access Mgmt
- Becta: Federated Access Mgmt
- Frequently Asked Questions
- Mailing Lists
- Federation Technical Documents
- Operational Information
- Federation Supporting bodies
- Glossary of terms
- Events
- Case Studies
- Site updates
- New services

**UK Access Management Federation for Education and Research**

Welcome to the home of the UK Access Management Federation for Education and Research. Supported by JISC and Becta, and operated by JANET(UK), the federation provides a single solution to access online resources and services for education and research.

**Benefits:** Organisations interested in joining the federation should consider the many **benefits** it has to offer. They may wish to join as an Identity Provider (IdP) (eg. a university or local authority), or as a Service Provider (SP), (eg. a publisher or content provider). In some cases, organisations may wish to join as both.

**Shibboleth:** The federation uses the standards-based **Shibboleth** software, developed by the Internet2 community in the United States. Shibboleth defines a common framework for access management that is being adopted by education and commercial sectors across the world. Click [here](#) for more information on how it works.

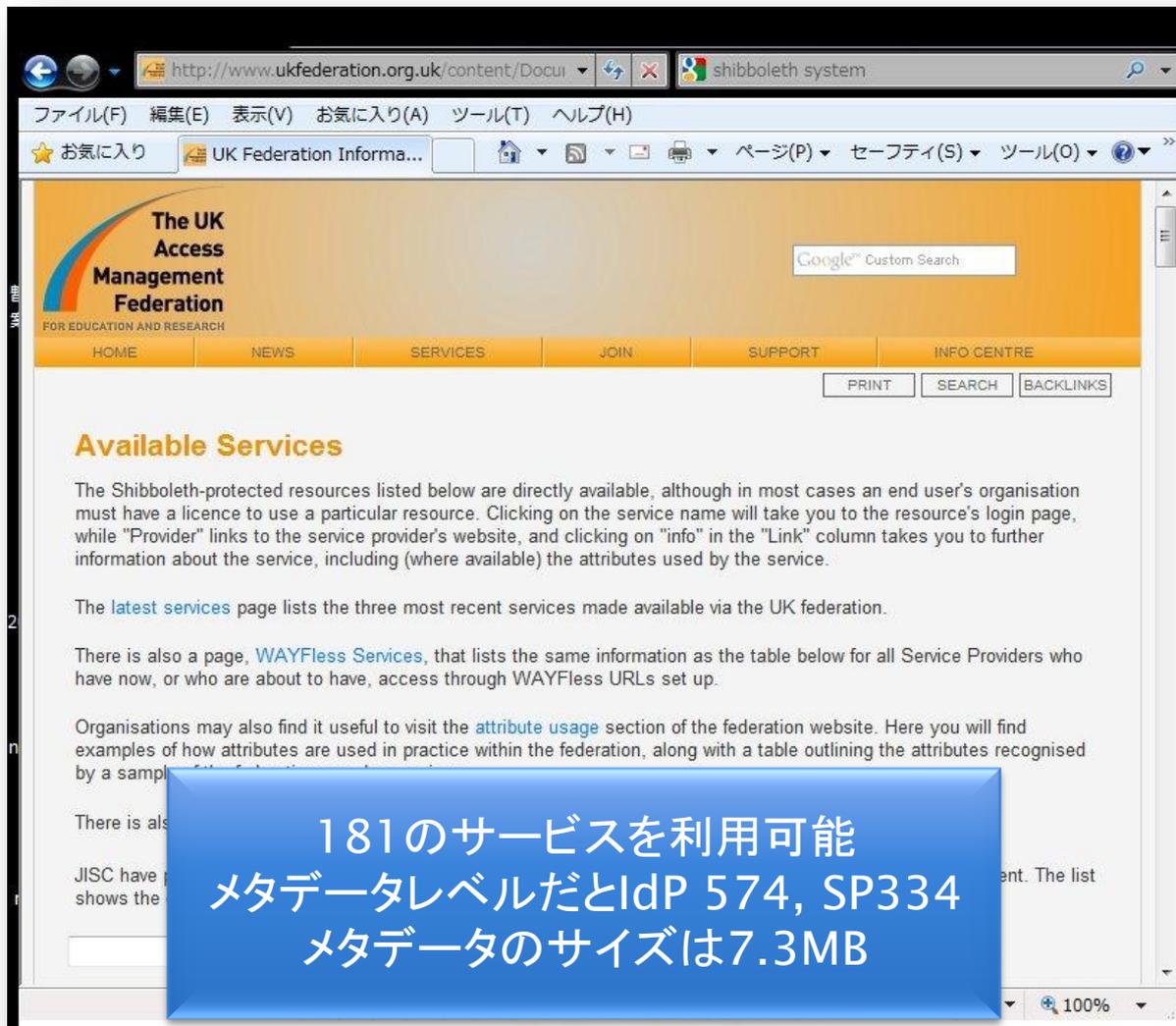
**Eligible organisations** were invited to join the federation from 30 November 2006. Here is the [current list of members](#).

Helpdesk | Privacy Policy | Website Info

© The JNT Association - JANET(UK), Lumen House, Library Avenue, Harwell Science and Innovation Campus, Didcot, Oxfordshire, OX11 0SG  
Tel: 01235 822200 Fax: 01235 822399

インターネット | 保護モード: 有効 100%

# UK-FAMで利用できるサービス



The screenshot shows a web browser displaying the UK Federation website. The page title is "Available Services". The navigation menu includes HOME, NEWS, SERVICES, JOIN, SUPPORT, and INFO CENTRE. A blue callout box is overlaid on the page, containing the following text:

181のサービスを利用可能  
メタデータレベルだとIdP 574, SP334  
メタデータのサイズは7.3MB

▶ <http://www.ukfederation.org.uk/content/Documents/AvailableServices>

# UK-FAMにおける参加フロー

## テクニカルチーム

UK-FAMの技術仕様書を読んで理解

## マネジメントチーム

UK-FAMの参加ポリシーを読んで理解

参加ポリシーから派生する諸々の内容について、セキュリティセクション・基盤センターと議論

認証ソフトの選択(オープンor商用)

認証システムのセットアップと証明書の取得

フェデレーションにメンバーシップ登録申請

フェデレーションがメンバーシップを承認

機関がIdP/SPを登録しフェデレーションがメタデータをチェックし公開

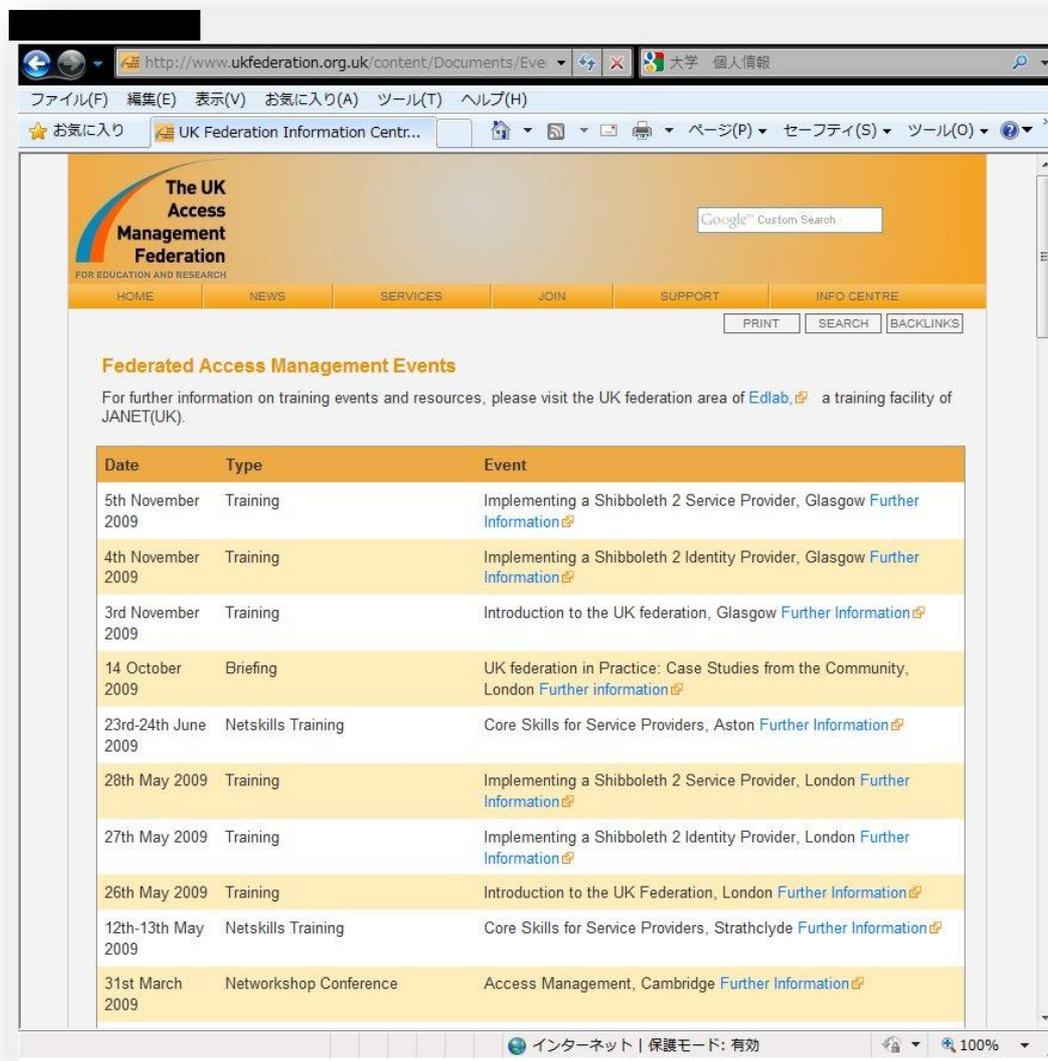
機関がメタデータをDL&ソフトのセットアップ

機関がソフト設定チェック

メタデータを更新しつつ運用



# UK-FAM:トレーニングコース



The screenshot shows a web browser window displaying the UK Federation website. The page features a navigation menu with links for HOME, NEWS, SERVICES, JOIN, SUPPORT, and INFO CENTRE. Below the menu is a search bar and buttons for PRINT, SEARCH, and BACKLINKS. The main content area is titled "Federated Access Management Events" and contains a table listing various training events and conferences from 2009.

Date	Type	Event
5th November 2009	Training	Implementing a Shibboleth 2 Service Provider, Glasgow <a href="#">Further Information</a>
4th November 2009	Training	Implementing a Shibboleth 2 Identity Provider, Glasgow <a href="#">Further Information</a>
3rd November 2009	Training	Introduction to the UK federation, Glasgow <a href="#">Further Information</a>
14 October 2009	Briefing	UK federation in Practice: Case Studies from the Community, London <a href="#">Further information</a>
23rd-24th June 2009	Netskills Training	Core Skills for Service Providers, Aston <a href="#">Further Information</a>
28th May 2009	Training	Implementing a Shibboleth 2 Service Provider, London <a href="#">Further Information</a>
27th May 2009	Training	Implementing a Shibboleth 2 Identity Provider, London <a href="#">Further Information</a>
26th May 2009	Training	Introduction to the UK Federation, London <a href="#">Further Information</a>
12th-13th May 2009	Netskills Training	Core Skills for Service Providers, Strathclyde <a href="#">Further Information</a>
31st March 2009	Networkshop Conference	Access Management, Cambridge <a href="#">Further Information</a>

▶ <http://www.ukfederation.org.uk/content/Documents/EventList>

# UPKI-Fed: イベントガイド

UPKIイニシアティブ  
University Public Key Infrastructure Initiative

HOME NEWS 公開資料 サーバ証明書プロジェクト 学術認証フェデレーション 組織紹介

学術認証フェデレーション

学術認証フェデレーションに関するお知らせは [NEWS](#)、公開資料は [公開資料](#) をご覧ください。

■ 2009年度

第25回インターネット技術第103委員会研究会 中村 素典:「大学間認証連携とその未来」	2009/5/21~22	東京	終了
<a href="#">学術認証フェデレーション(UPKI-Fed)試行運用参加説明会</a> 発表資料	2009/8/5	東京	終了
情報処理経井沢セミナー (Shibbolethによるシングルサインオンの実現)	2009/9/1~4	軽井沢	受付終了
学術認証フェデレーション(UPKI-Fed)試行運用参加説明会	2009/9	京都	準備中
学術認証フェデレーション(UPKI-Fed)試行運用参加説明会	2009/9	九州	準備中
UPKI認証フェデレーション試行運用中間報告会	2009/11	東京	準備中

■ 2008年度

シングルサインオン実証実験説明会	2008/7/23	東京	終了
情報処理経井沢セミナー(認証技術を知る-学内認証局の構築-)	2008/9/2~9/5	軽井沢	終了
シングルサインオン実証実験中間報告会	2008/11/10	東京	終了
統合認証シンポジウム2008 片岡俊幸「UPKIプロジェクトと大学間認証認可連携について」	2008/12/19	佐賀	終了
UPKIシンポジウム2009	2009/2/23	東京	終了

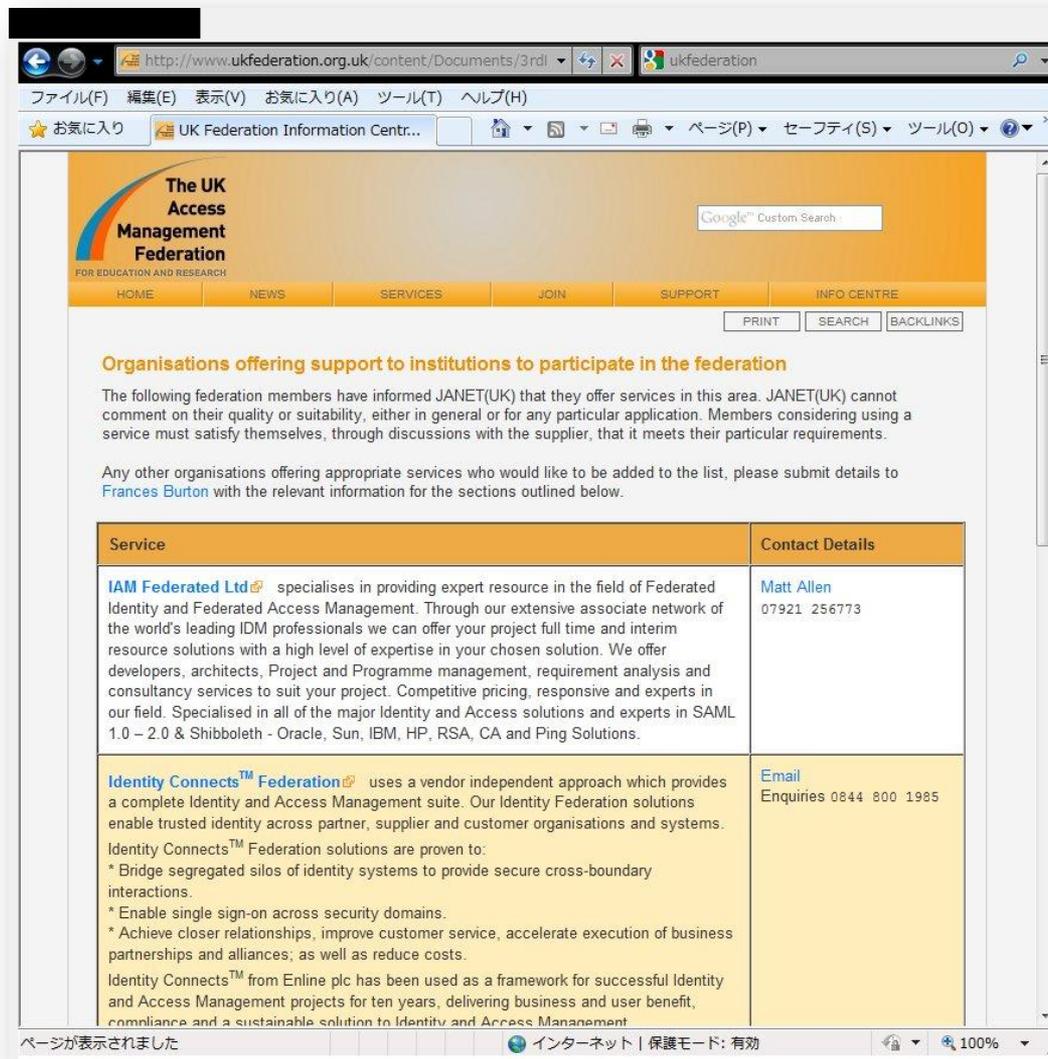
■ 2007年度

大学の認証基盤の導入事例例に関するセッション(ITRC meet21)	2007/05/31	東京	終了
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▶ <https://upki-portal.nii.ac.jp/docs/fed/event>

# UKにおける商用のサポートベンダー



The screenshot shows a web browser displaying the UK Federation website. The page title is "Organisations offering support to institutions to participate in the federation". The page content includes a search bar, a navigation menu, and a table of service providers. The table has two columns: "Service" and "Contact Details".

Service	Contact Details
<b>IAM Federated Ltd</b> specialises in providing expert resource in the field of Federated Identity and Federated Access Management. Through our extensive associate network of the world's leading IDM professionals we can offer your project full time and interim resource solutions with a high level of expertise in your chosen solution. We offer developers, architects, Project and Programme management, requirement analysis and consultancy services to suit your project. Competitive pricing, responsive and experts in our field. Specialised in all of the major Identity and Access solutions and experts in SAML 1.0 - 2.0 & Shibboleth - Oracle, Sun, IBM, HP, RSA, CA and Ping Solutions.	<b>Matt Allen</b> 07921 256773
<b>Identity Connects™ Federation</b> uses a vendor independent approach which provides a complete Identity and Access Management suite. Our Identity Federation solutions enable trusted identity across partner, supplier and customer organisations and systems. Identity Connects™ Federation solutions are proven to: * Bridge segregated silos of identity systems to provide secure cross-boundary interactions. * Enable single sign-on across security domains. * Achieve closer relationships, improve customer service, accelerate execution of business partnerships and alliances; as well as reduce costs. Identity Connects™ from Enline plc has been used as a framework for successful Identity and Access Management projects for ten years, delivering business and user benefit, compliance and a sustainable solution to Identity and Access Management	<b>Email</b> Enquiries 0844 800 1985

# なぜ, Third Partyをうまく育てられるか?

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## ▶ JISCの精神

- ▶ 撤退戦略: **exit strategy** (出口戦略と訳すこと多)
- ▶ JISCの助成を得て立ち上げられたプロジェクトは基本的に, 一定期間内に, 持続可能で自立的な仕組みを確立しなければならない.

## すなわち

- ▶ UK-FAMはベンダーによるIdPの構築支援, SaaS, ホスティングを支援してもJANET(特別)のように組織内に抱えることはないだろう.



## ▶ NIIの最近

- ▶ 学術クラウド, アカデミッククラウド, ホスティング, セントラルリポジトリ



# JISCの特徴

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- ▶ プロジェクト管理・運営に優れている



日本のフェデレーションはどうする？



あわてずにもう少しUKについて勉強しましょう

