

2010 年

第 期 总第 期（半月刊）

# 信息化研究与应用

主办：中国科学院信息化工作领导小组办公室 承办：中国科学院国家科学图书馆成都分馆

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ENISA

2011

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ICT

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**信息化战略与政策**

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# 信息化战略与政策

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16      Europeana



ICT

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IGF

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<http://bulletin.sciencebusiness.net/ebulletins/showissue.php3?page=/548/art/17702&ch=5>

[http://www.eu2010.es/export/sites/presidencia/comun/descargas/Ministerios/en\\_declaracion\\_granada.pdf](http://www.eu2010.es/export/sites/presidencia/comun/descargas/Ministerios/en_declaracion_granada.pdf)

**ENISA**

ENISA

IT

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RTDDS

RTDDS

RTDDS  
RTDDS

RTDDS

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QoS

mesh

mesh

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ICT

ICT

<http://www.enisa.europa.eu/media/press-releases/future-eu-research-it-security-priorities-identified-always-online-availability-in-focus>

ed-always-online-availability-in-focus

<http://www.enisa.europa.eu/act/res/technologies/procent>

2010 3 30

JISC

HESA

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Research Excellence Framework REF

JISC  
Councils

HEFCE

Research

JISC

2009 2011

2009 HEFCE

Research Management and Administration System RMAS

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JISC  
Information in the UK EXRI-UK

Exchanging Research

1  
Format CERIF

Common European Research Information

CERIF

2

CERIF

RDF

www.data.gov.uk

EXRI-UK

CERIF

CERIF

EuroCRIS

2010 1

EXRI-UK

3.

HEFCE

EXRI-UK

2010

2011

EXRI-UK

CERIF

EXRI-UK

JISC

1

CERIF

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CERIF

<http://www.jisc.ac.uk/media/documents/publications/briefingpaper/2010/bpexriv1.pdf>

<http://www.jisc.ac.uk/publications/briefingpapers/2010/bpexriv1.aspx>

## 2011

2010 4

DHS

Philip Reitinger

2011

NPPD

NCSD 2011

NCSD

3.78744

342

NCSD

US-CERT

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DOD

NIST

NSA

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CSSP

ICS-CERT

4

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2011

687.5

247.1

2011

1

NGA

SHSAC

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NCSD

[http://www.dhs.gov/ynews/testimony/testimony\\_1271447324095.shtm](http://www.dhs.gov/ynews/testimony/testimony_1271447324095.shtm)

2010

Future Combat Systems

Brigade Combat Team

Modernization

Joint Tactical Radio System  
Warfighter Information Network

	2011	317
1	103	
2	55	
3	60	
4	17	
5	39	
6	43	

<http://defensesystems.com/Articles/2010/04/29/Army-Modernization-Strategy-2010.aspx?Page=1>

**ICT**

2010	3	---
	ICT	ICT

1.

		2009	2	2010
9	30	72		
47			25	





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	2015	1	2020
5		—	RFID M2M
			5
		1	2020
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<http://www.jifang360.com/news/201049/n48985486.html>

## 信息化管理与创新

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4 LinkedIn Facebook Twitter

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BBS

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2009

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2 60				
3			76.8%	3.4%
	2.1%	41.1%		
4				739
	30.3%			
5			96.3%	87.2%
		ETC		

2. ICT

		25.3%		29.4%
5.9%	7.6%	23.4%		

3. ICT

20.0%			ASP		SaaS
	4.5%		78.5%	2007	2008
	67.5%	73.9%	19.0%		
2007	10.8%	96.2%			

4.

18

52.2%

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19.9%

[http://www.soumu.go.jp/main\\_content/000064217.pdf](http://www.soumu.go.jp/main_content/000064217.pdf)

### IPA

2010 4 15

IPA

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### IPA

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<http://www.ipa.go.jp/about/press/20100415.html>

[http://www.ipa.go.jp/security/fy21/reports/emb\\_car/documents/embsec\\_car2010.pdf](http://www.ipa.go.jp/security/fy21/reports/emb_car/documents/embsec_car2010.pdf)

## 专家视点

Future Media Internet FMI

2010

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FMI

FMI

3D

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3D

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[http://www.future-internet.eu/fileadmin/documents/reports/FMI-TF-White\\_paper\\_042010.pdf](http://www.future-internet.eu/fileadmin/documents/reports/FMI-TF-White_paper_042010.pdf)

## 信息化技术与基础设施

24

50%

<http://www.hpcwire.com/topic/processors/MIT-Researchers-Develop-Software-for-Multicore-Chips>

[hips-92102409.html?page=1](http://www.hpcwire.com/topic/processors/MIT-Researchers-Develop-Software-for-Multicore-Chips/hips-92102409.html?page=1)

2010 4 26  
10

Web Science Trust

Web Science Trust Network of Laboratories WSTNet

WSTNet

WebSci

WSTNet

Web Science

[http://www.innovations-report.com/html/reports/information\\_technology/global\\_network\\_web\\_science\\_laboratories\\_announced\\_153528.html](http://www.innovations-report.com/html/reports/information_technology/global_network_web_science_laboratories_announced_153528.html)

## 信息化应用与环境

NASA

NASA

NEX NASA Earth

Exchange

NEX

NASA

NASA

NEX

NASA

NEX

NEX

NEX

1.4PB

NASA

Ames  
hyperwall-2  
HECC

56832

NASA

NASA

<http://www.nasa.gov/centers/ames/news/releases/2010/10-33AR.html>

**ICT**

ICT

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ICT

FuturICT

knowledge accelerator



10

ICT

14

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[http://www.innovations-report.com/html/reports/information\\_technology/1\\_billion\\_eur\\_unleash\\_power\\_information\\_a\\_153544.html](http://www.innovations-report.com/html/reports/information_technology/1_billion_eur_unleash_power_information_a_153544.html)

# Cray

Cray

Foundation for Space Technology, Applications and Science FUNCATE

2

2010

National Institute for Space Research INPE

Cray XT6

INPE

Cray XT

Cray XT6

INPE

INPE

<http://www.hpcwire.com/industry/government/Cray-Wins-20M-Contract-with-Brazils-National-Institute-for-Space-Research-91710269.html>

**EARTH**

**4G**

950

4G

Energy Aware Radio and

Network Technologies EARTH

FP7

ICT

EARTH

[http://cordis.europa.eu/fetch?CALLER=EN\\_NEWS&ACTION=D&SESSION=&RCN=32039](http://cordis.europa.eu/fetch?CALLER=EN_NEWS&ACTION=D&SESSION=&RCN=32039)

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**IPA 2010 10**

IPA 120

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DDoS

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ID

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[http://www.ipa.go.jp/security/vuln/documents/10threats2010\\_press.pdf](http://www.ipa.go.jp/security/vuln/documents/10threats2010_press.pdf)

**HITRUST CSA**

Health Information Trust Alliance HITRUST  
Cloud Security Alliance CSA

CSA		Cloud Controls Matrix	CCM		
			PCI	HIPAA	ISO 27000
		HITRUST		Common Security	
Framework	CSF	CSF			
		CCM			
					HITRUST
CSA					

<http://www.hpcinthecloud.com/offthewire/HITRUST-and-Cloud-Security-Alliance-Collaboration-Cloud-Security-92184139.html?page=1>

# 内部刊物

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