NRC·CNRC
Institute for Information Technology
Applications of
Social and Collaborative Technologies in Education
Stephen Downes ~ April 8, 2008
National Research Council Canada
Conseil national de recherches Canada
Canada

Why I came to New Brunswick

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Technology
The Fall Foliage

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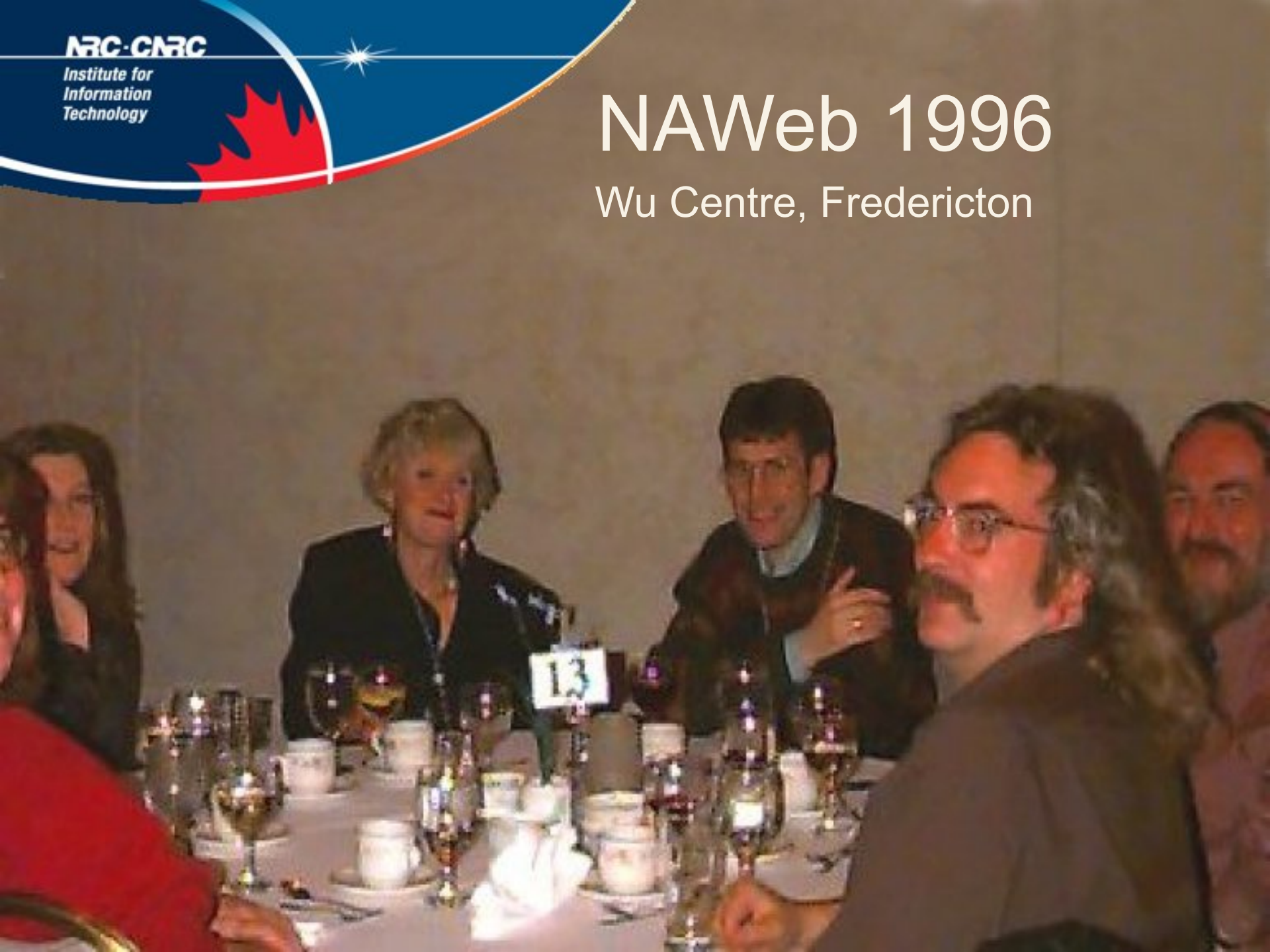
NAWeb 1996

Wu Centre, Fredericton



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Rik Hall

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1997
STEPHEN

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tion NB Staff
rchive.org/web/2000
rory mcgreal
dmin Menu ~ Steph... Google Reader (100+) Calendar
to Shar... TeleEducation NB Staff

TeleEducation NB Staff

- Rory McGreal, Executive Director
- Roger Doucet, Learning Design Specialist
- Marilyn Holland, Learning Support Coordinator
- Joel Vautour, Technical Services Coordinator
- Claudette Grexton, Secretary
- Brad Donovan, Technical Support
- Annette Selmes, Scheduler - Financial Officer
- Dwight Spencer, Internet Services Manager

TeleEducation NB
250 King St
Place 2000
Fredericton, NB, Canada
E3B 1E2

information / renseignements:
tenb@teleeducation.nb.ca
phone: 506 444 4234
fax: 506 444 4232

Last Update: 11:31 AM ADT, Friday July 7 2000 by the the webmaster

Done

People helping each other learn

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EduCamp Colombia

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Kuala Lumpur,
Malaysia

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ICOE
開放式課程
開放式課程與數位學習的未來
The challenge faced by the applicat
時間 Time
主題 Topic
08:30-09:00
報到 Registration
09:00-09:50
Trends and impacts of e-Learning 2
Taipei, Taiwan

Communities of Educators Online

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tional Bloggers

ups/35034348234@N01/

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~ Steph... Google Reader (100+) Calendar Edu-RSS 0.2 Feeds ~...

Read... Facebook | T... Classroom 2.0 Plaxo Pulse -... WikiEducator...

flickr LOVES YOU

Signed in as Stephen Downes (75 new) Help Sign Out

Home You Organize Contacts Groups Explore Search this group's pool Search

Educational Bloggers

Discussion Pool Map 203 Members Invite

http://www.flickr.com

Group Photo Pool (See all 459 photos)

NEW From Edu-Tourist

From netbobz

From netbobz

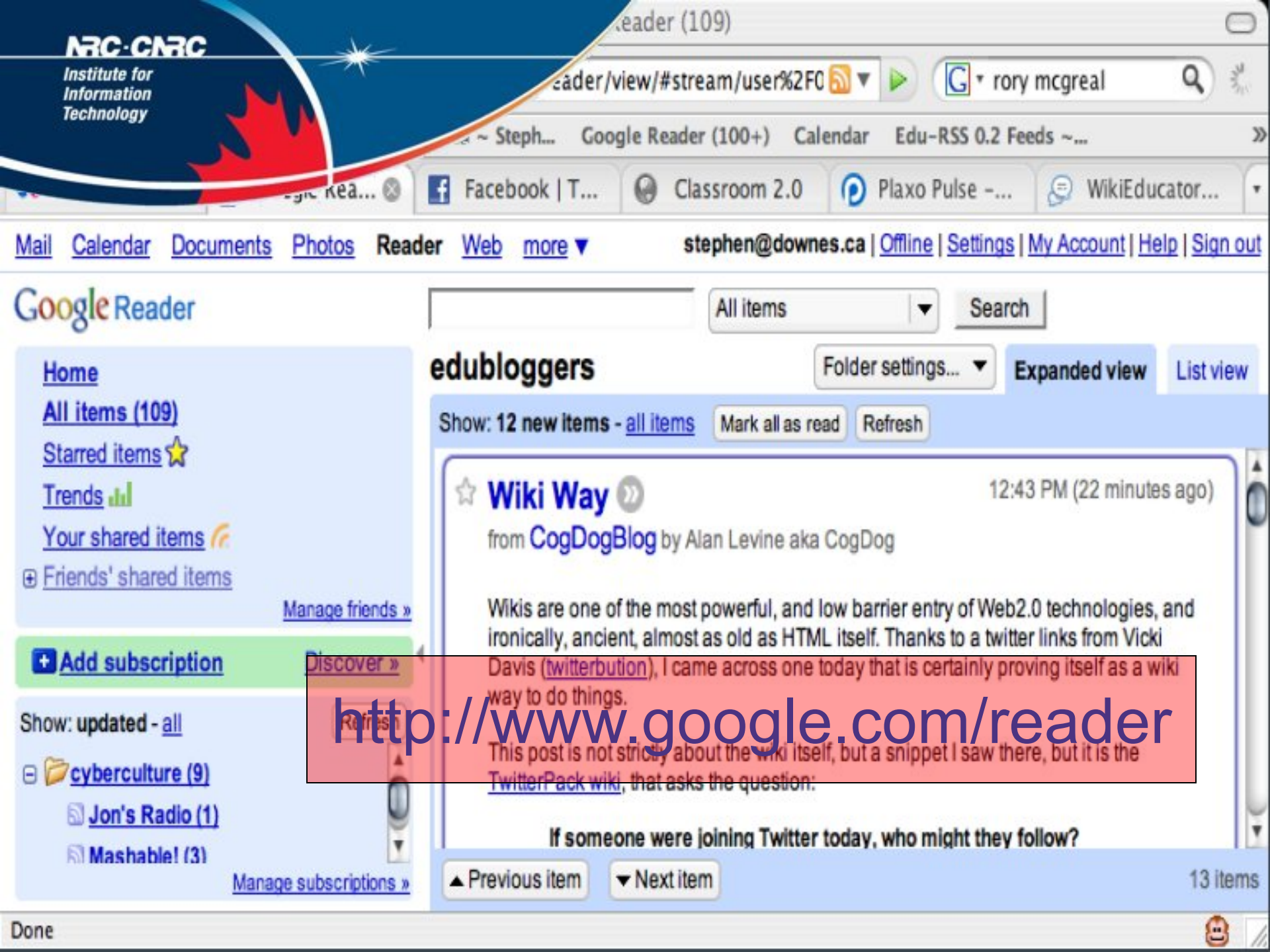
From Danica.

From netbobz

From netbobz

More photos...

Done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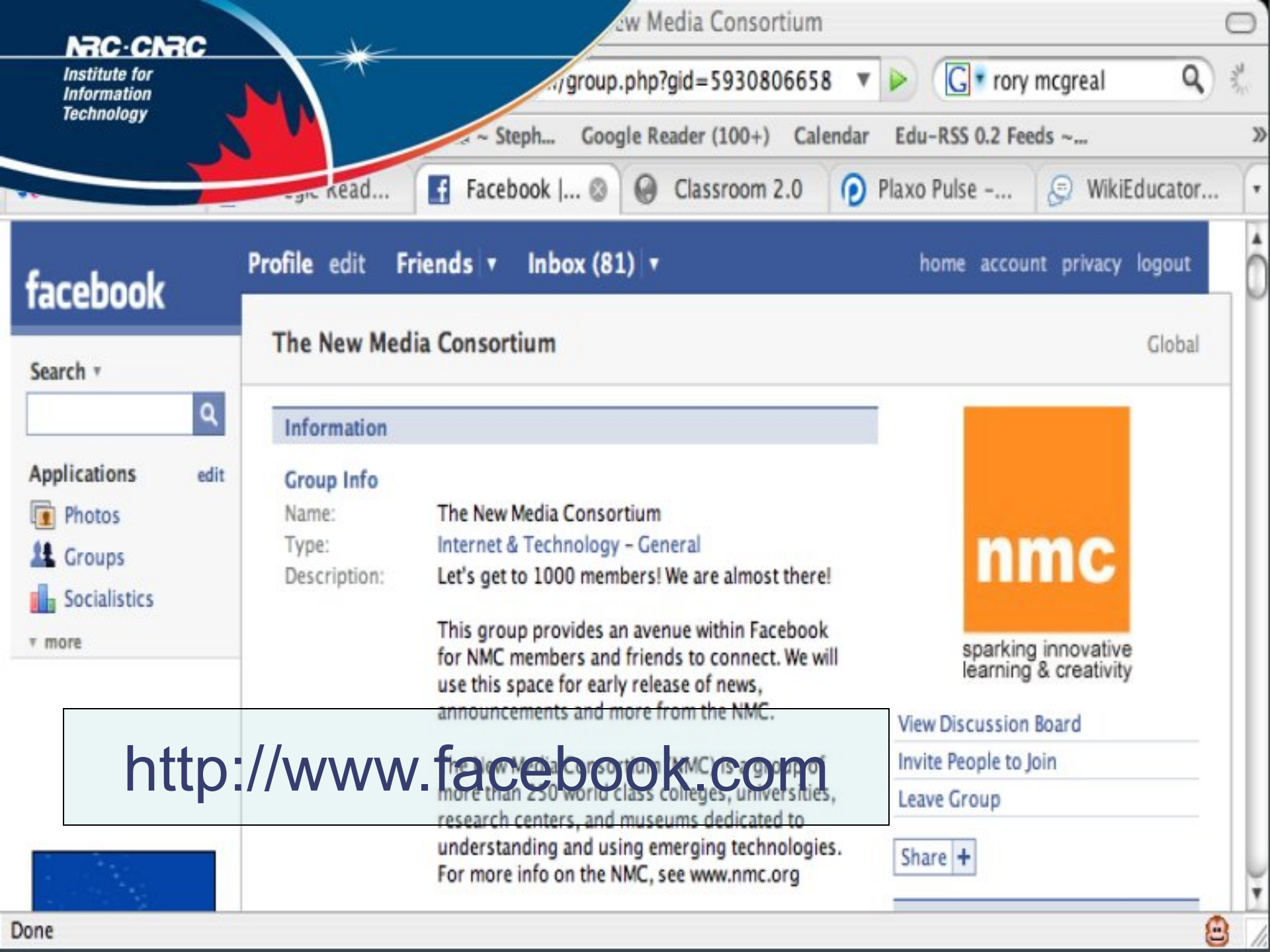
Facebook | T...
Classroom 2.0
Plaxo Pulse -...
WikiEducator...
Mail Calendar Documents Photos Reader Web more ▼
stephen@downes.ca | Offline | Settings | My Account | Help | Sign out
Google Reader
All items
Search
Home
All items (109)
Starred items
Trends
Your shared items
Friends' shared items
Manage friends »
Add subscription
Discover »
Show: updated - all
cyberculture (9)
Jon's Radio (1)
Mashable! (3)
Manage subscriptions »
edubloggers
Folder settings...
Expanded view
List view
Show: 12 new items - all items
Mark all as read
Refresh
Wiki Way
12:43 PM (22 minutes ago)
from CogDogBlog by Alan Levine aka CogDog
Wikis are one of the most powerful, and low barrier entry of Web2.0 technologies, and ironically, ancient, almost as old as HTML itself. Thanks to a twitter links from Vicki Davis (twitterbution), I came across one today that is certainly proving itself as a wiki way to do things.
This post is not strictly about the wiki itself, but a snippet I saw there, but it is the TwitterPack wiki, that asks the question:
If someone were joining Twitter today, who might they follow?
http://www.google.com/reader
▲ Previous item
▼ Next item
13 items
Done



http://www.facebook.com

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Google Reader (100+)
Calendar
Edu-RSS 0.2 Feeds ~...
Facebook | T...
Classroom ...
Plaxo Pulse -...
WikiEducator...
Search
CLASSROOM 2.0
MAIN
MY PAGE
MEMBERS
NEWS
FORUM
RESOURCES WIKI
GROUPS
FAQ
PHOTOS
VIDEOS
WELCOME!
Welcome to Classroom20.com, the social networking site for those interested in Web 2.0 and collaborative technologies in education.
Once you join, please introduce yourself by going to the introductory forum message. We especially hope that those who are "beginners" will find this a supportive community and a comfortable place to start being part of the digital dialog. Feel free to explore! Here are some starting tips, or you can ask help of a "host" below.
Members
View All
Classroom 2.0 "LIVE Conversations"
http://www.ning.com
Done

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se – Groups

se/groups/profile/1417344

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eph... Google Reader (100+) Calendar Edu-RSS 0.2 Feeds ~...

Facebook | T... Classroom 2.0 Plaxo Pulse... WikiEducator...

plaxo beta

eCards | Me

Pulse People Calendar My Profile

Find people, Pulse s

Connections Address Book Groups Tools

« Back

Welcome to the E-learning group x

Share

- Message
- Link
- Video
- Photos new
- Poll
- Review

Actions

- Group Profile
- Members

E-learning

Description

Group for all educational professionals who want to take or have taken the next step in learning-effectiveness.

Web Address

http://e-learning.plaxogroups.com

Tags

e-learning, learning, coaching, online, individual, group, path, blended

http://www.plaxo.com

Members

view all

Eleonora

Emmanuel

Rich

Helga

Jose

Jean-Philip...

Mischa

Ads

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Ont
Get
you
www

Aut
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www

Done

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Google Groups
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rory mcgreal
Steph...
Google Reader (100+)
Calendar
Edu-RSS 0.2 Feeds ~...
Facebook | ...
Classroom ...
Plaxo Pulse ...
WikiEduca...
Google Groups
stephen@downes.ca | My Groups | Favorites | Profile | Help | My Account | Sign out
WikiEducator
Search this group
Search Groups
Home
New since last time: 845 messages, 162 members
Discussions 8 of 1526 messages view all »
+ new post
When generating a PDF
By Declan - 7:08am - 3 authors - 8 replies
Open Web Conference Vancouver April 2008
By Peter - Apr 5 - 1 author - 0 replies
The best proven way to get Financial Aid!
By university - Apr 5 - 2 authors - 2 replies
Elsevier
By Nadia - Apr 4 - 3 authors - 3 replies
Image histories
By Leigh Blackall - Apr 4 - 2 authors - 2 replies
{{Sustainable Otago}} Pangea day (well: Pangea predawn)
By Leigh Blackall - Apr 3 - 1 author - 0 replies
International accredited OER based university
By Leigh Blackall - Apr 2 - 7 authors - 23 replies
MIT, Elsevier Offer Free Content From More Than 2,000 Journals
Home
Discussions
Members
Pages
Files
About this group
Edit my membership
Invite members
Group info
Members: 315
Activity: Low activity
Language: English
Group categories:
Society > Education
More group info »
http://groups.google.com
Done

Communities of learners, where they need to learn

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IBM Worldwide

http://www-05.ibm.com/cz/events/power6/pdf/Ton_Engbersen_Trends_in_microelectronics.pdf

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Learning Within a Digital Community

e physical classroom will be recreated in a virtual form utilizing 3D visualizatio and Web 2.0 technologies to create an accessible digital learning community

Learning 0.0: The Classroom

Peer to Peer
Networking and community building
Synchronous
Time consuming and costly

Learning 1.0: e-learning

- Individualized learning
- Distributed teams
- Wealth of information
- Self-Paced Learning (SPL)
- *Isolated from community*
- Low effectiveness

Learning 2.0: Virtual Classroom & CoP

- Collaborative learning
- Distributed teams
- Peer to peer social repartee
- Engaging interface
- Wealth of information
- "Realistic" simulation of business situations

IBM Communities

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company command

Calendar | Edu-RSS 0.2 Feeds ~... | Welcome to Stephen'... | Main Page - EduTech... | YouTube - Yes We C...

ook | The New ... | Google Calendar | NewCC Entry | ibm learning communi...

CompanyCommand

Building Combat-Ready Teams

Welcome to the CompanyCommand Forum

ENTER

HERE

If you are not a member, you must first JOIN HERE.

Membership is restricted to current, future, and past company commanders

★★★★★★★★★★★★★★★★★★★★★★★★★★★★

Welcome to your professional forum! CC IS company commanders. We are a grass-roots, voluntary forum that is **by** and **for** the profession with a specific, laser-beam focus on company-level command. By joining, you are gaining access to an amazing community of professionals who love Soldiers and are committed to building combat-ready teams.

★★★★★★★★★★★★★★★★★★★★★★★★★★★★

Our website has been upgraded to better meet your needs and now utilizes Army Knowledge Online (AKO) single sign-on logons. AKO

- Need an AKO account? Visit the Army Homepage and sign up for one. If you serve in another branch of service, you need to obtain an Army sponsor.
- Problems? Email us at coomd.team@us.army.mil
- Having trouble logging on? Clear your browser's cookies, close the browser, and try again.

http://companycommand.army.mil/

Find: macbook | Next | Previous | Highlight all | Match case

Done

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POLICE
SPECIAL WEAPONS AND TACTICS
SWAT4
GOLD EDITION
SWAT 4 GOLD EDITION AVAILABLE NOW
SWAT4
SPECIAL WEAPONS AND TACTICS
ABOUT THE GAME
NEWS
SIGNUP
COMMUNITY
NEWS FEED: SWAT 4 EXPANSION WINS
BUY OR DOWNLOAD
INSTANT DOWNLOAD OR

Second Life Communities

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the edublog awards
the edublog awards
Edublog Awards

The new technology - even games - supports learning by supporting community

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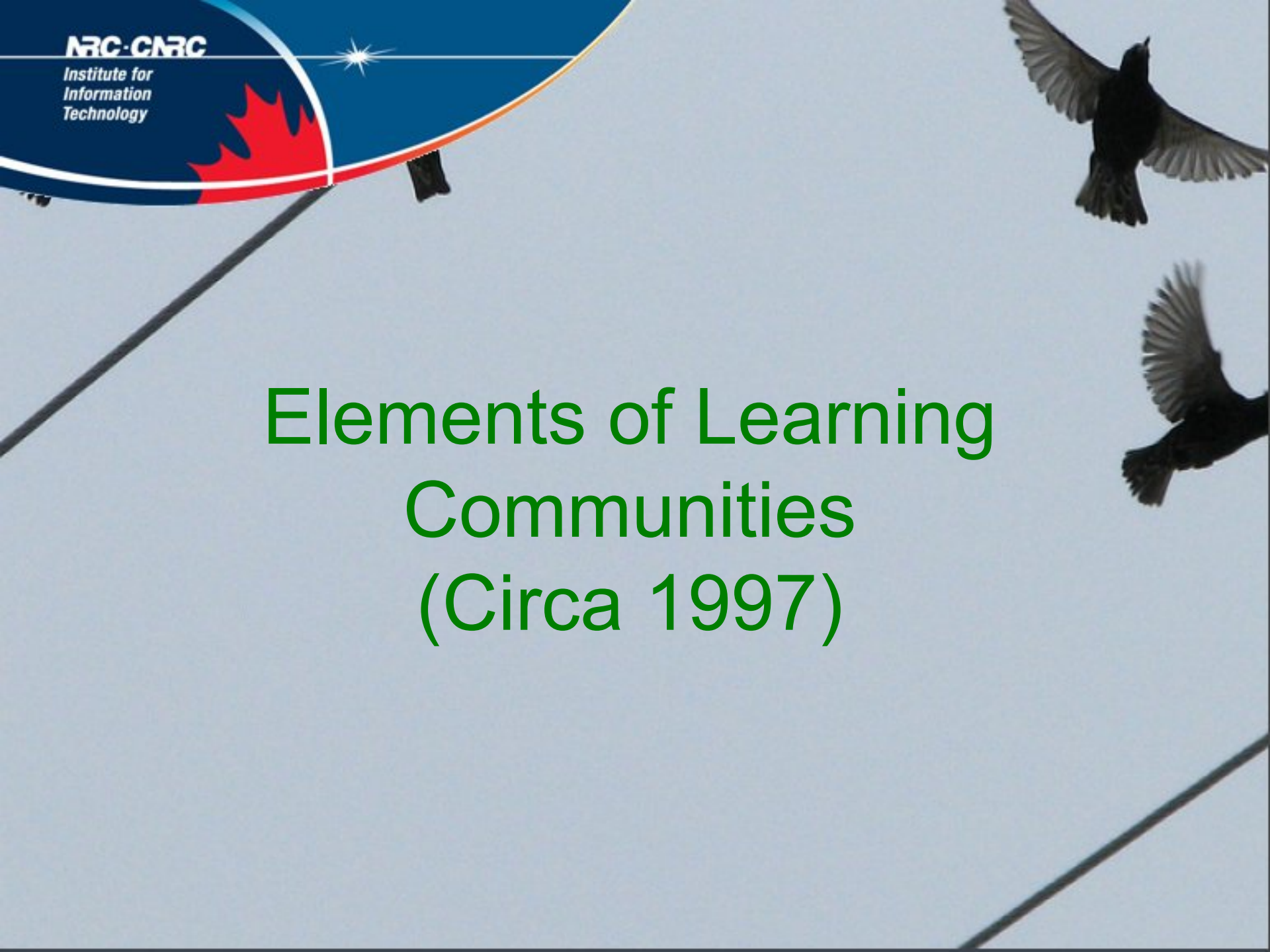
Learning Communities

Photo: Joyce Valenza and Dave Thomson. Photo by Ewan McIntosh
http://www.flickr.com/photos/edublogger/840478703/



Elements of Learning Communities (Circa 1997)

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Sense of shared purpose

Pam Vesely, Lisa Bloom and John Sherlock

Key Elements of Building Online Community: Comparing Faculty and Student Perceptions

http://jolt.merlot.org/vol3no3/vesely.htm

Photo: Frederick Noronha

http://www.flickr.com/photos/fn-goa/236214205/

Photo: Loungerie http://www.flickr.com/photos/loungerie/827362903/

Establishment of boundaries defining who is a member and who is not

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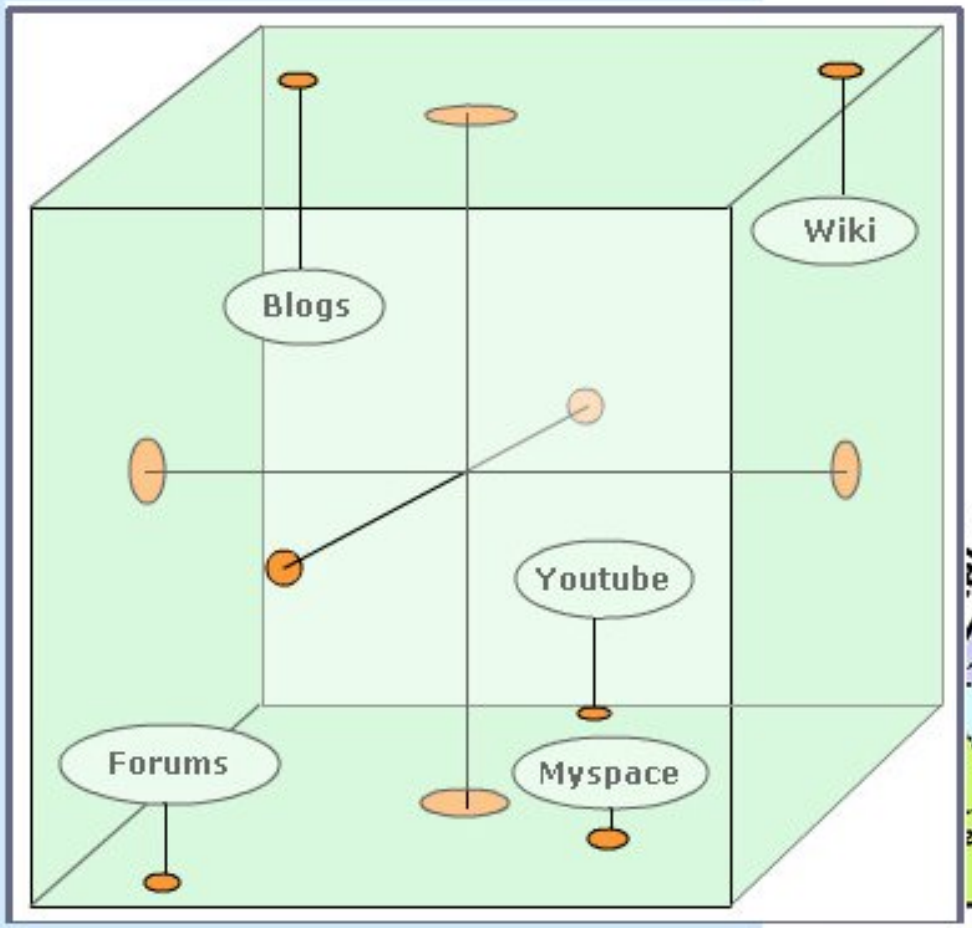
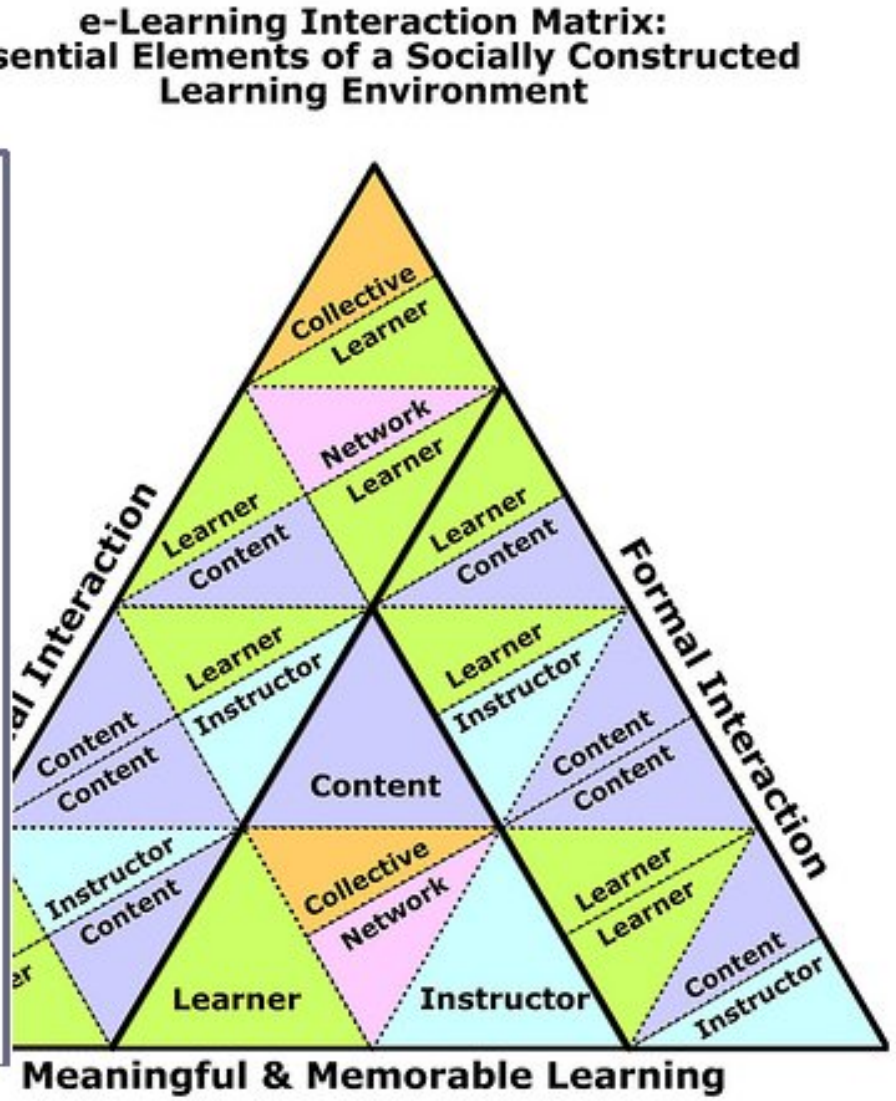
Establishment and enforcement of rules and policies

Photo: ClintJCL http://www.flickr.com/photos/clintjcl/375585107/





Interaction among members

Photo: Jason Rhodes http://www.flickr.com/photos/jrhode/2040911590

2007 Jason Rhode

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Trust, respect and support

Photo: Nina Jean http://www.flickr.com/photos/nicasaurusrex/777759933/

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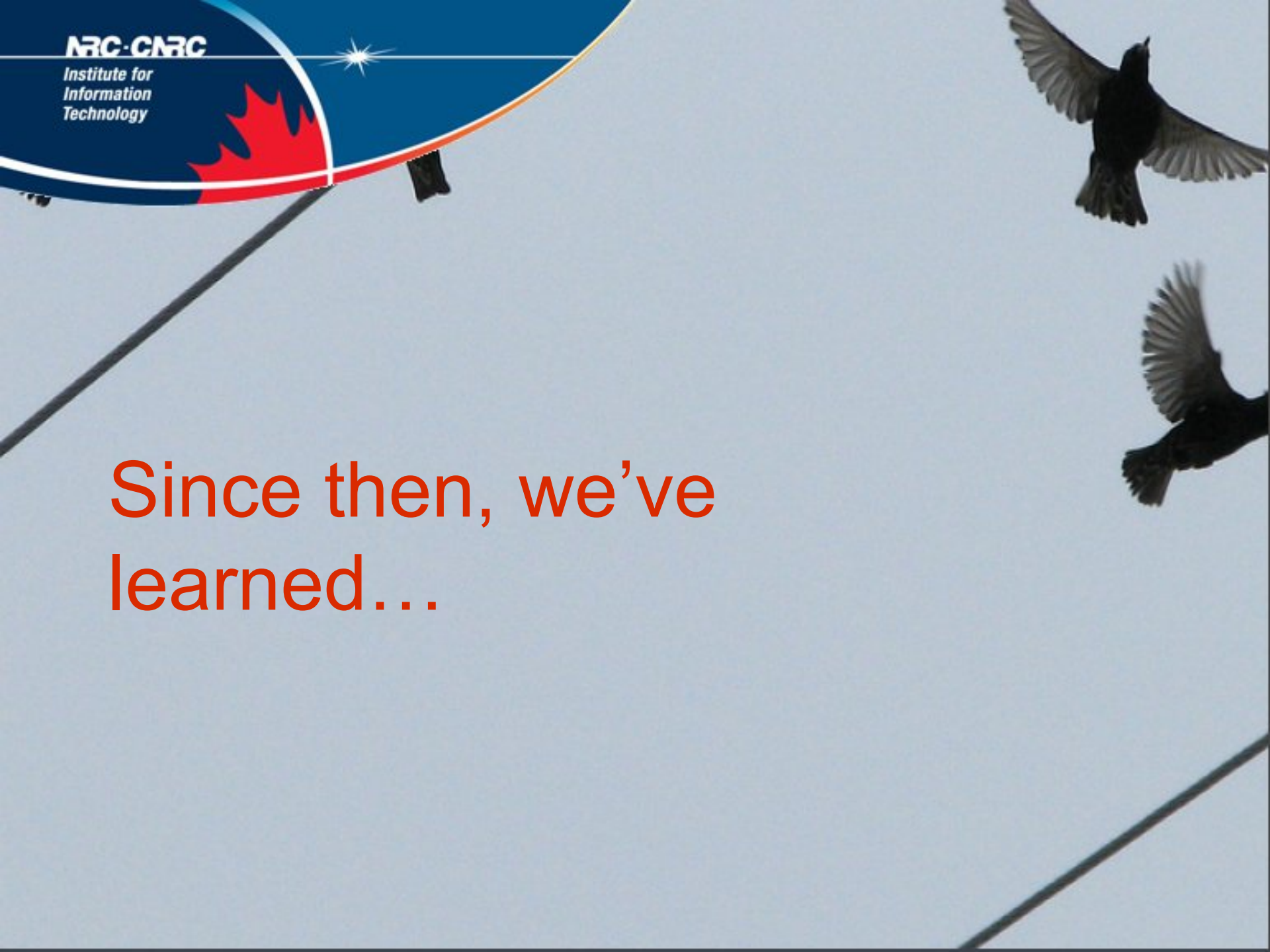
Group identity
Misanchuk and Anderson
http://www.mtsu.edu/~itconf/proceed01/19.html



Since then, we've learned…

Online communities are not as united as supposed…

Photo: Harold Jarche http://www.jarche.com/?p=1525

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We don't want our classrooms to be like classrooms…

Photo: lnx http://www.flickr.com/photos/lnx/6257130/

Far from it…

The challenge for educators across the nation has become how to design and develop a teacher corps and a school structure that allows for a school that operates in a completely different manner than the classrooms we experienced in our own education. - Sammon 2000, 2. http://www.stanford.edu/group/cubberley/node/2383

Photo: Georgie Sharp http://www.flickr.com/photos/georgiesharp/1180689591/

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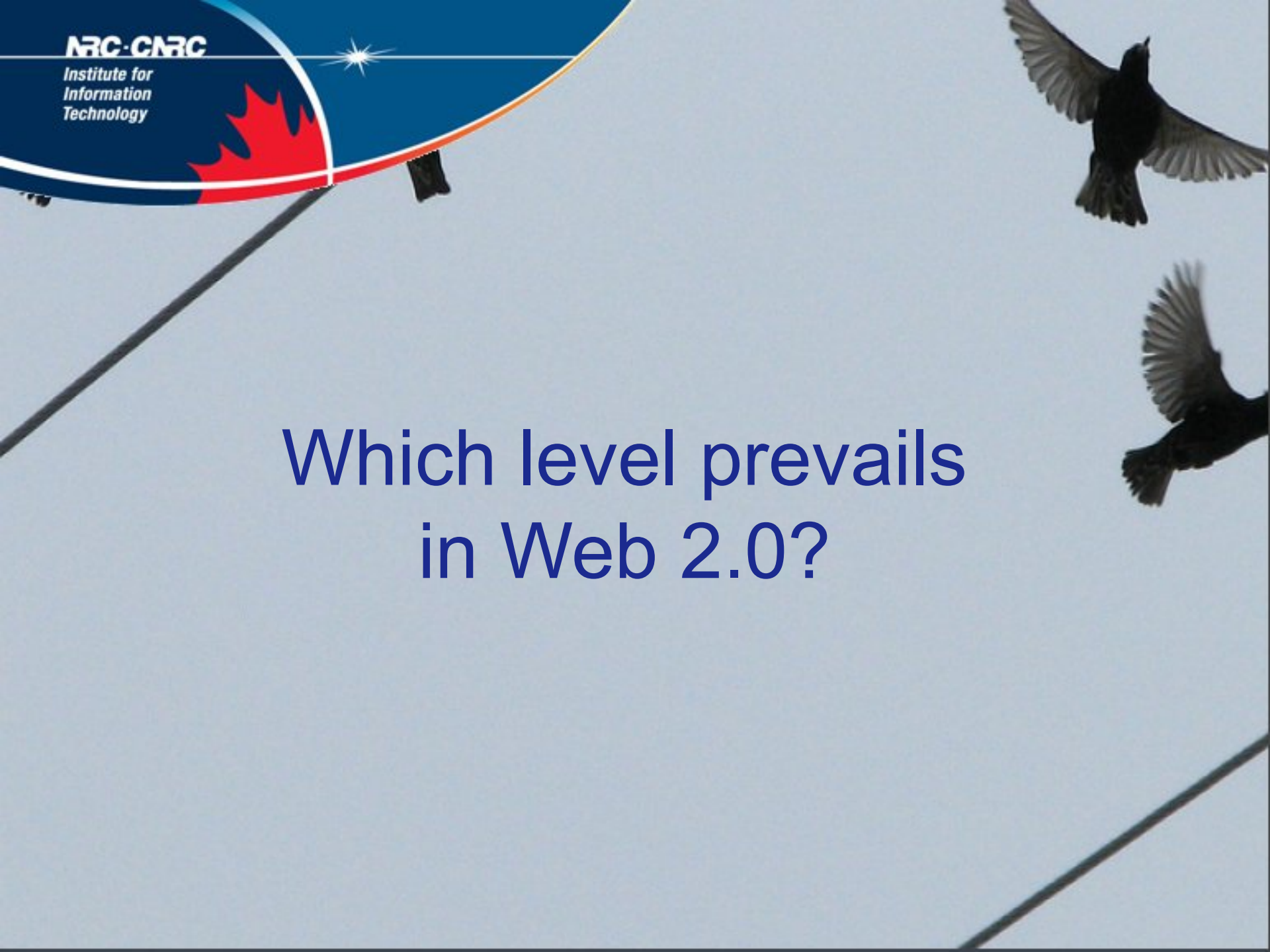
Different levels of interaction:

- Communication - individualism
- Cooperation - mesh, or network
- Collaboration - unity, or whole

Misanchuk and Anderson http://www.mtsu.edu/~itconf/proceed01/19.html



Which level prevails in Web 2.0?

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Learning in a Mesh

Collaborative Cooperative

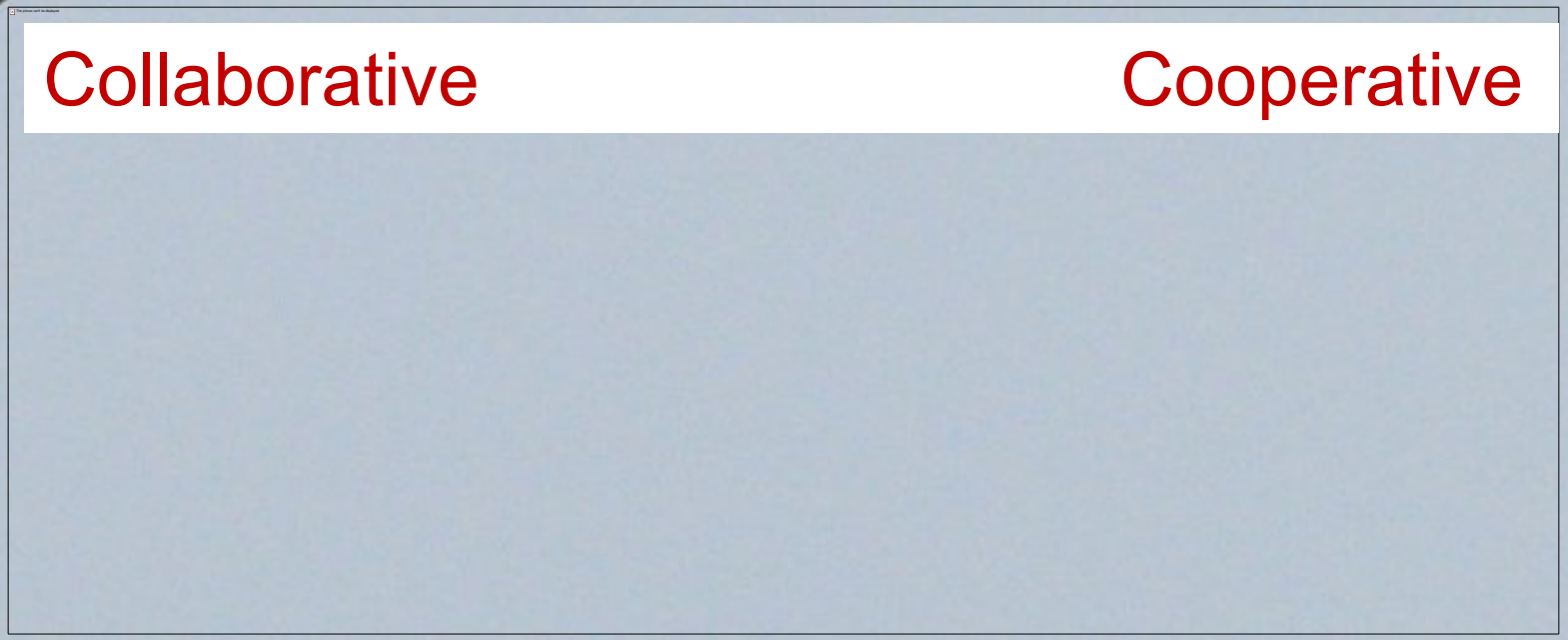

Image: Noakes http://kolea.kcc.hawaii.edu/tcc/tcon99/papers/noakes.html

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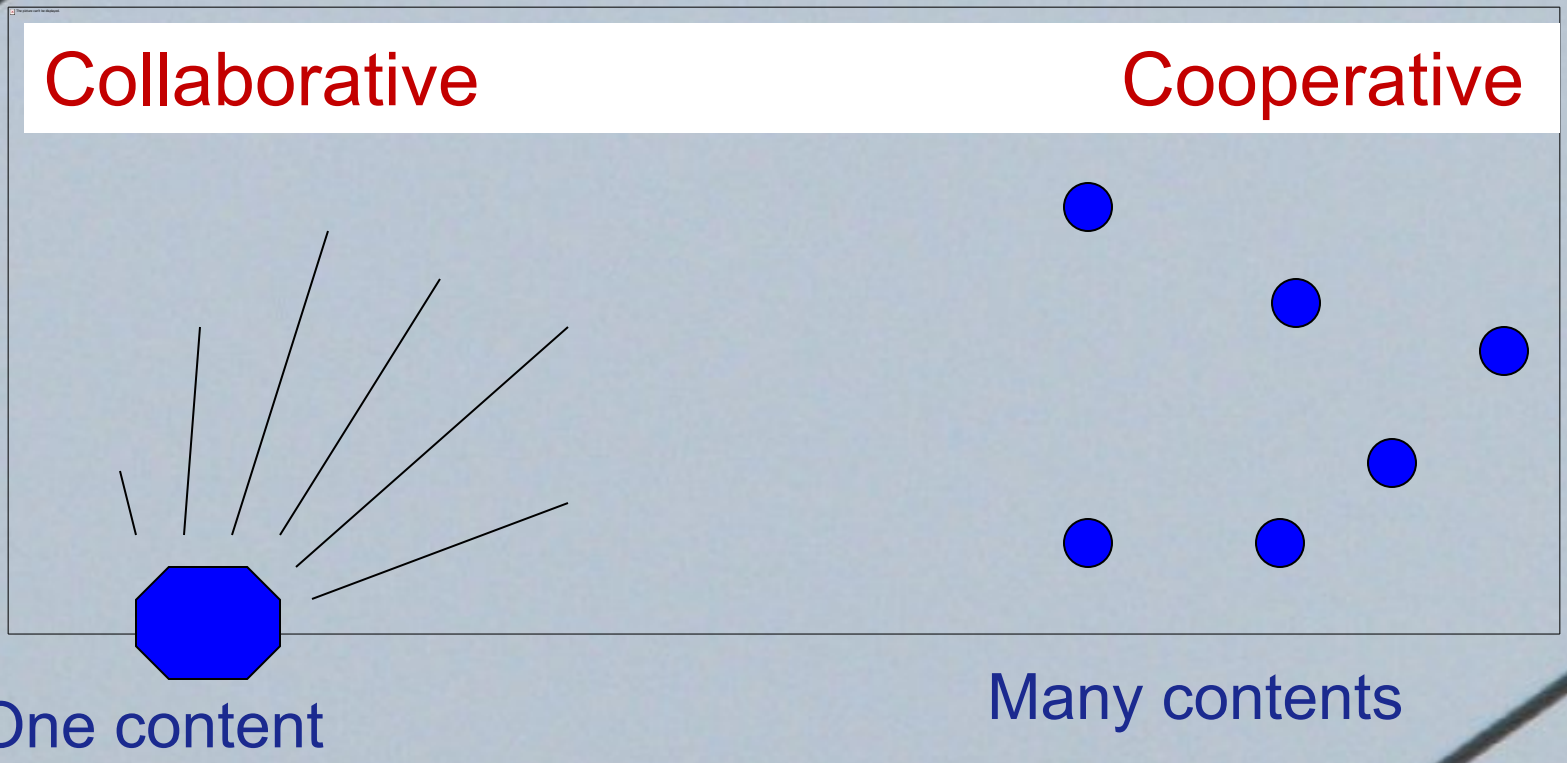
Learning in a Mesh



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Interacting in the Network

Marc Canter http://blog.broadbandmechanics.com/2008/03/how-to-build-the-mesh-1-id-social-graphs-and-groups

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Interactive Content

Marc Canter http://blog.broadbandmechanics.com/2008/04/how-to-build-the-mesh-2-persistent-ubiquitous-content

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Personal Learning Environments

Scott Wilson http://thand.files.wordpress.com/2007/05/futurevle.jpg

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Personal Learning Landscape

Dave Tosh http://tesl-ej.org/ej34/m1.html

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PLE as Functions in Social Media

Mohamed Amine Chatti http://mohamedaminechatti.blogspot.com/2007/06/my-plepkm.html

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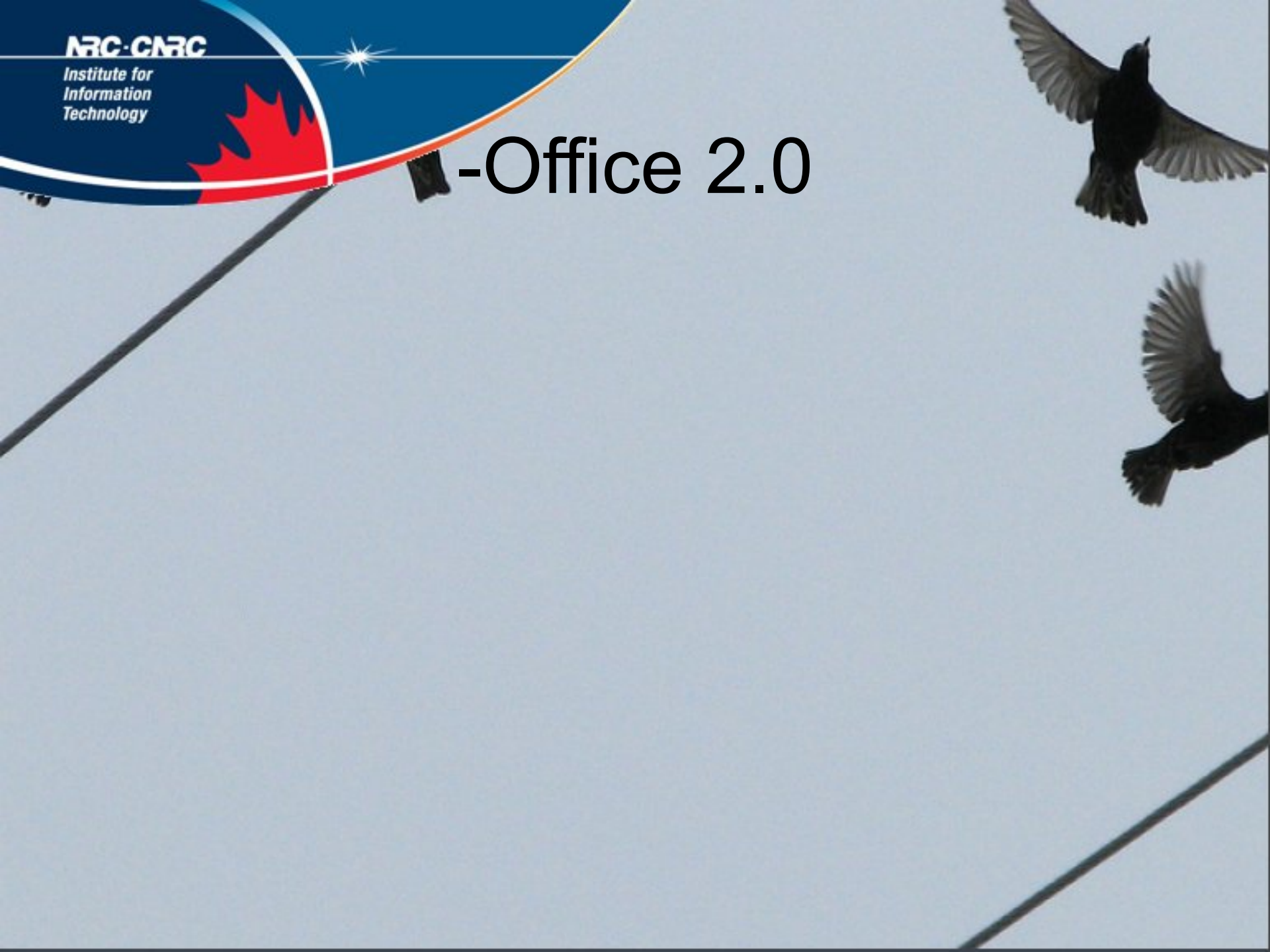
PLE as applications

Marianne http://mlxperience.blogspot.com/2007/11/my-personal-learning-environment-model.html



-Office 2.0

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-Office1 etc - bookmarking - del-iciou.us

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-Calendar - google calendar

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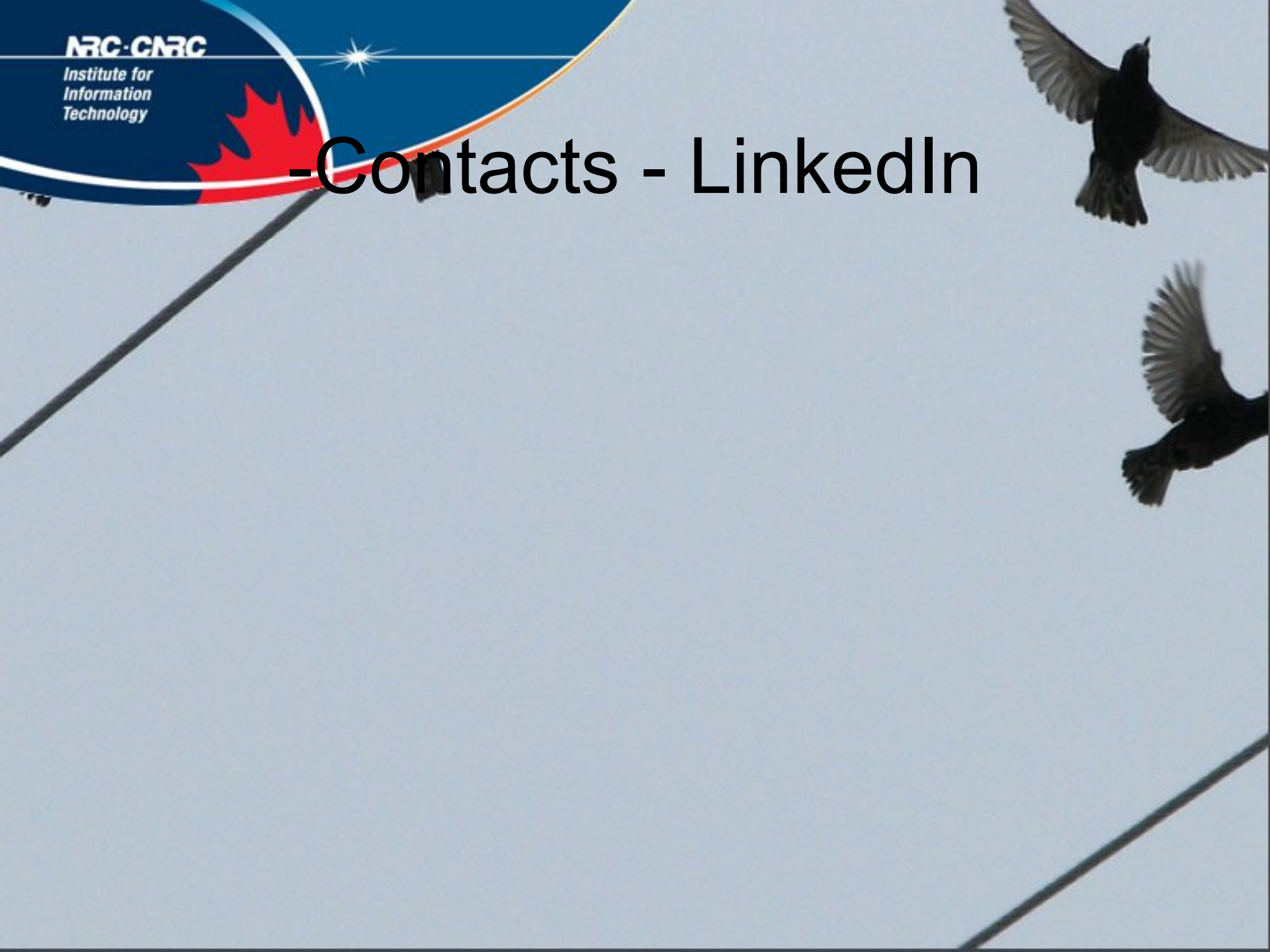
-Contacts - LinkedIn



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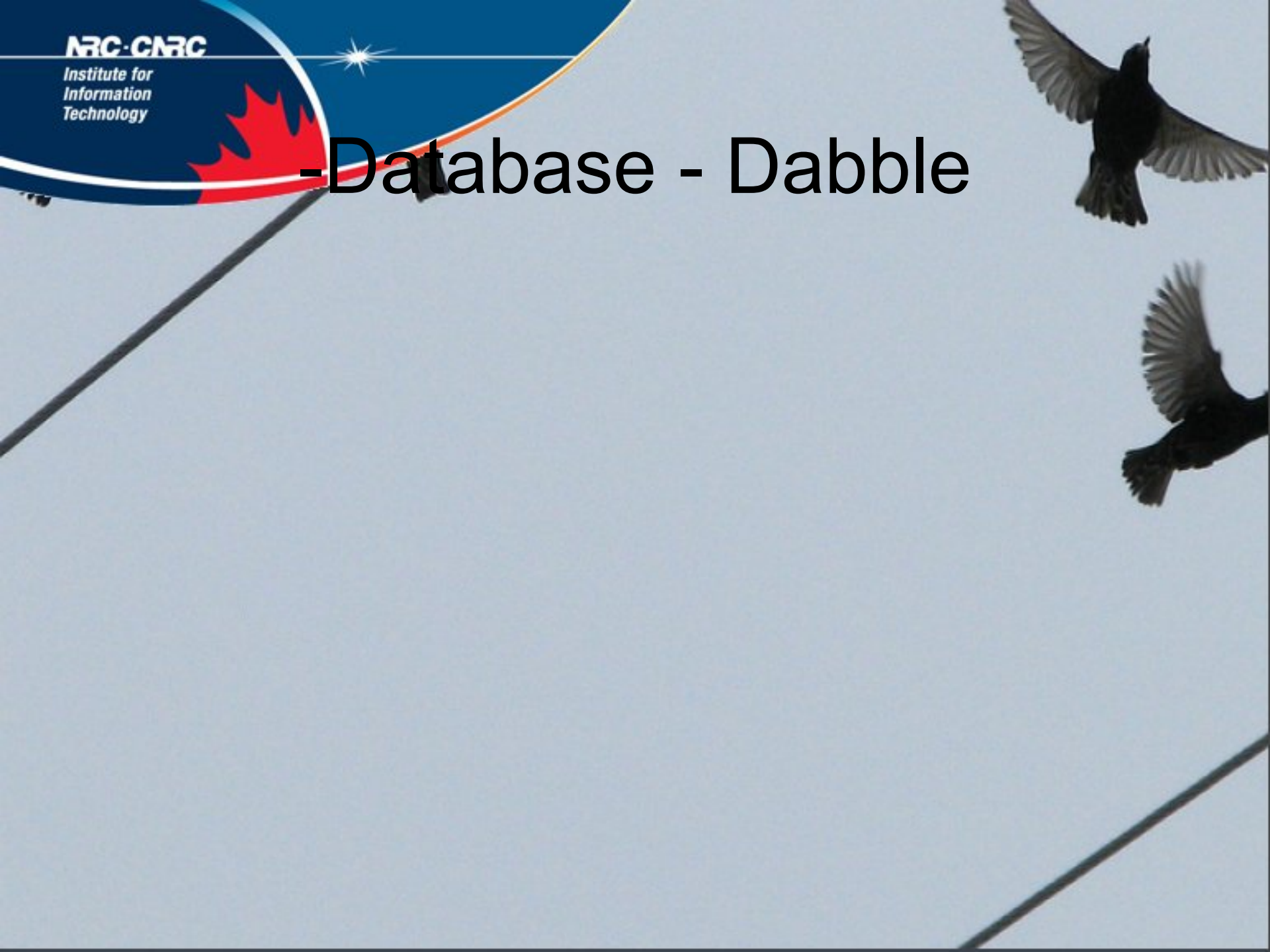
-CRM - Salesforce



-Database - Dabble

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-Desktop - Google Homepage

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-Document Management - scribd

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-Email - Google Mail

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-Feed Reading - Google Reader

-Presentation - Zoho Show

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-Spreadsheets - Google Spreadsheet

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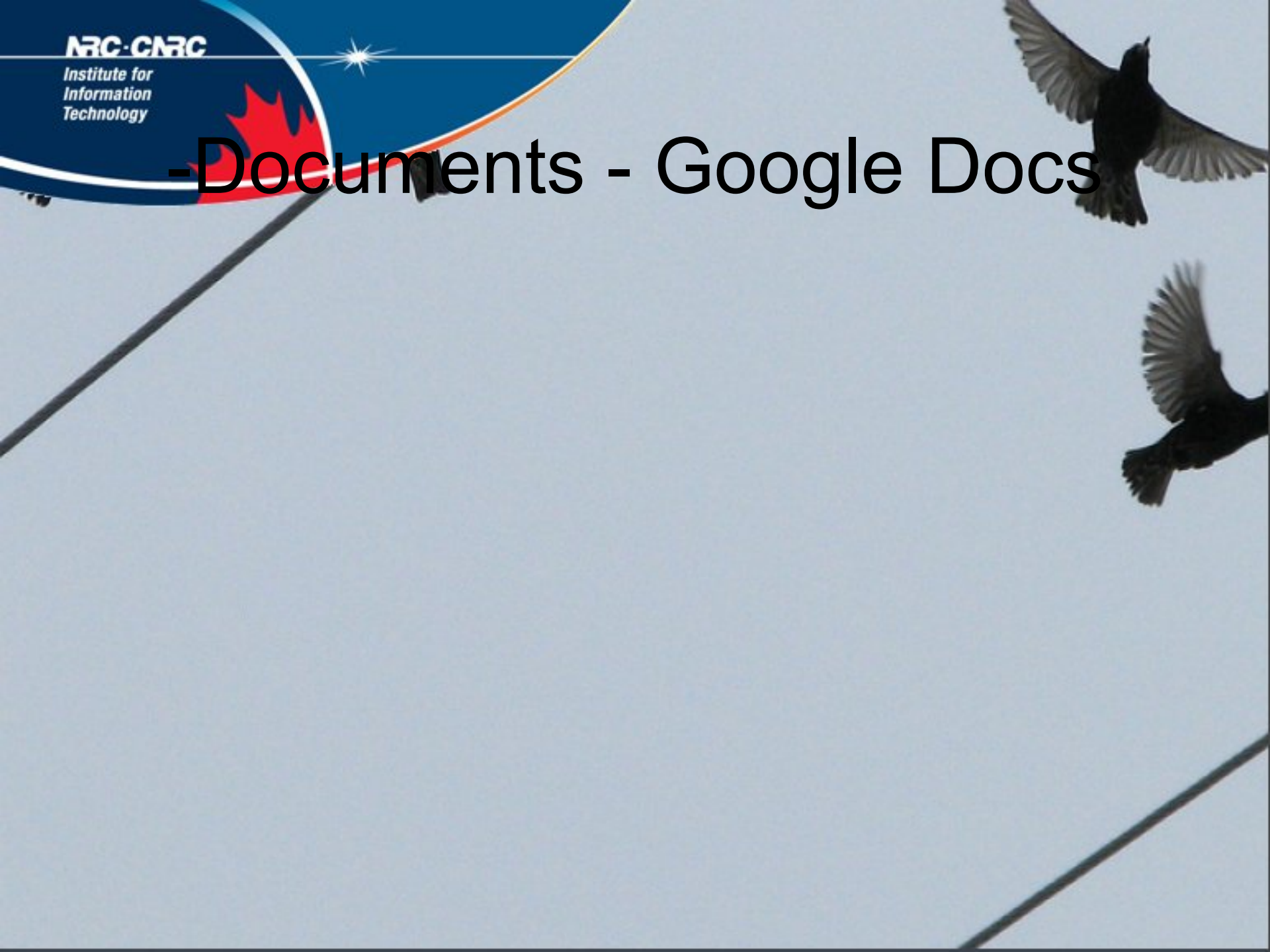
-Weblog - Word Press



-Documents - Google Docs

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- 14 - Drawing - Gliffy

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-15 - Group Management - Ice Core

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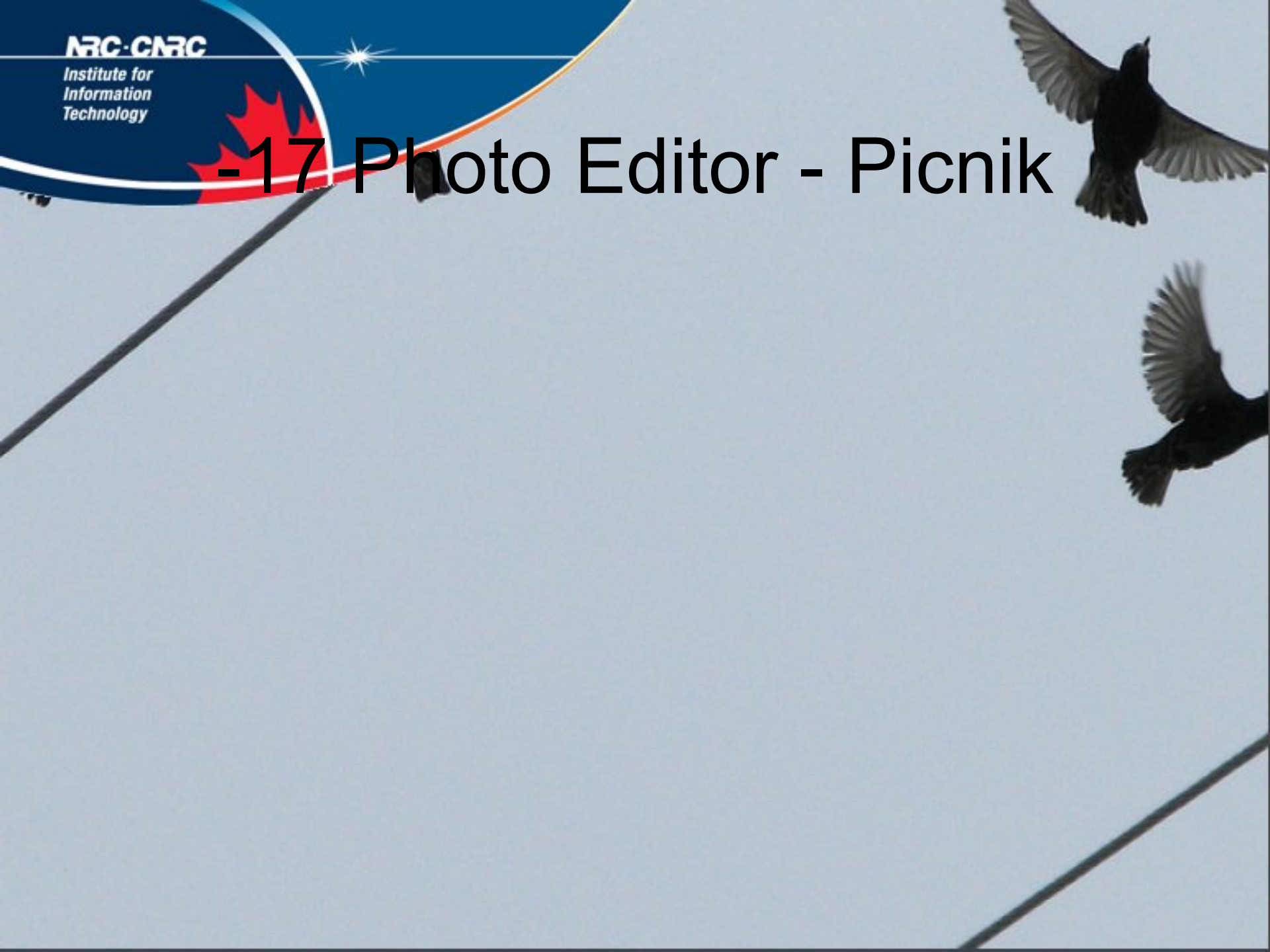
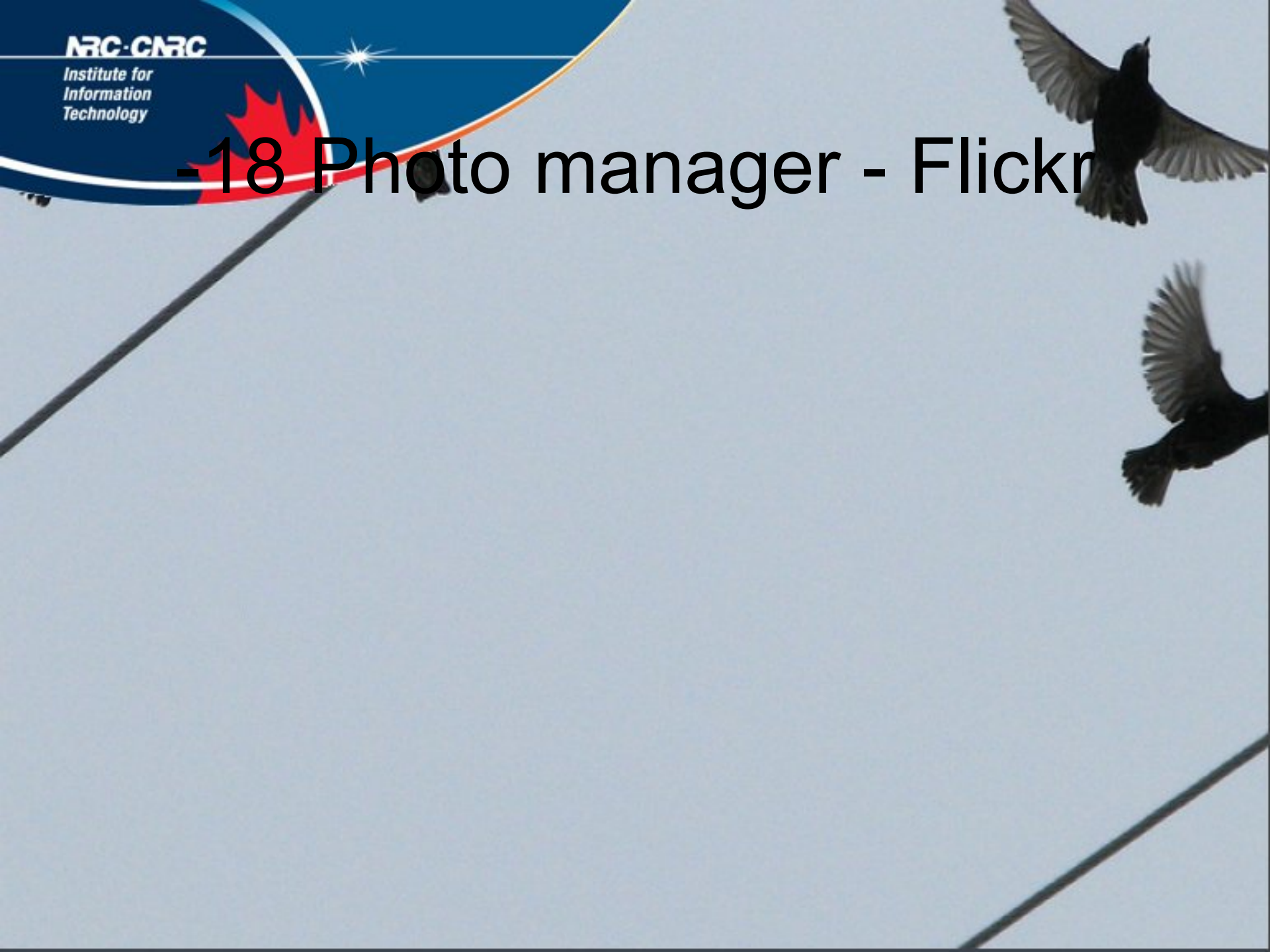
-16 Mind Mapping - MindMeister



-17 Photo Editor - Picnik



-18 Photo manager - Flickr

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-19 Web Conferencing - Vyew

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-20 Webcasting - Ustream.tv

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Virtual World - http://www.secretlair.com/index.php?/clickableculture/entry/google_spreadsheet_as_virtual_world/

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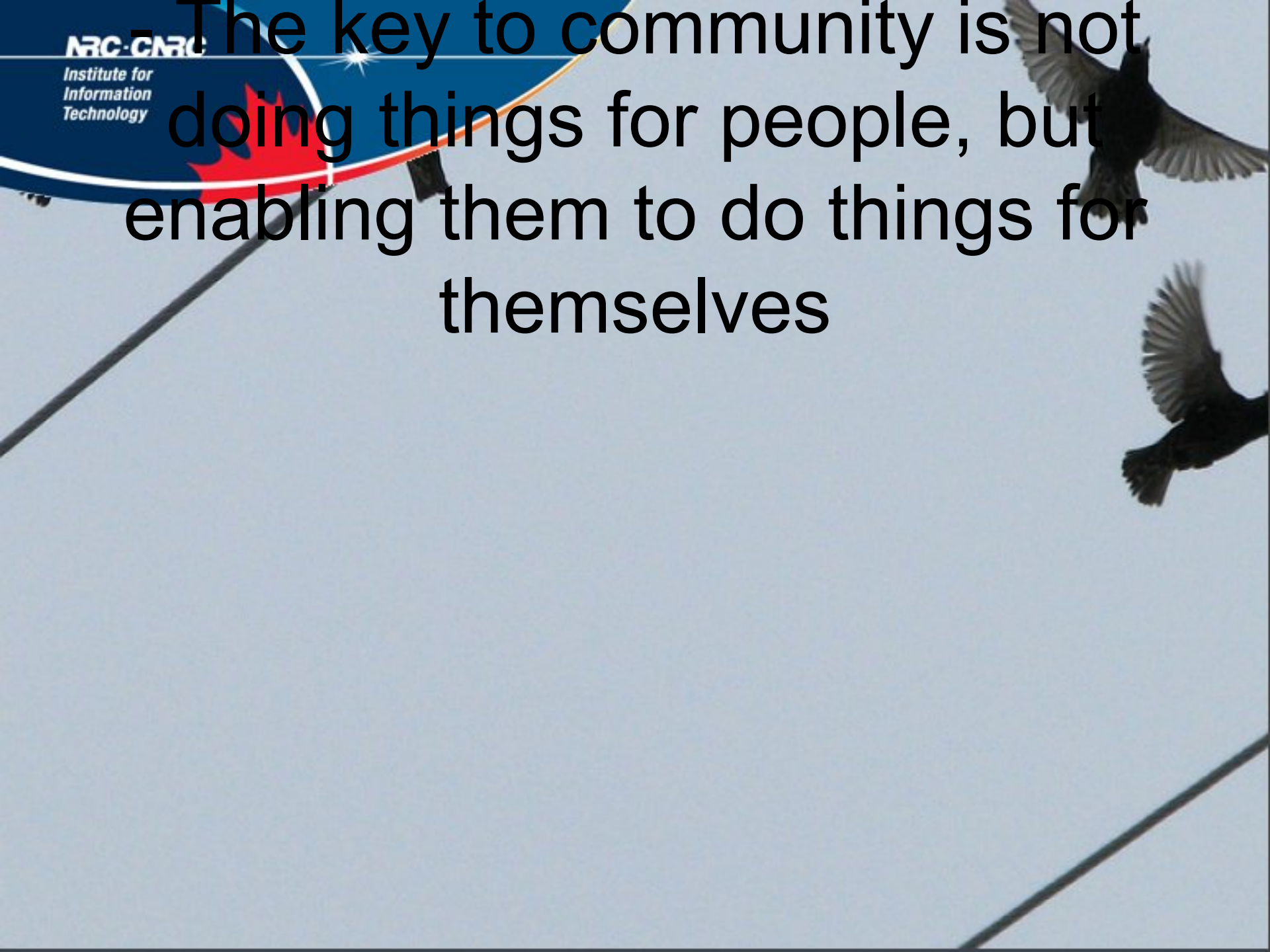

- The key to community is not doing things for people, but enabling them to do things for themselves

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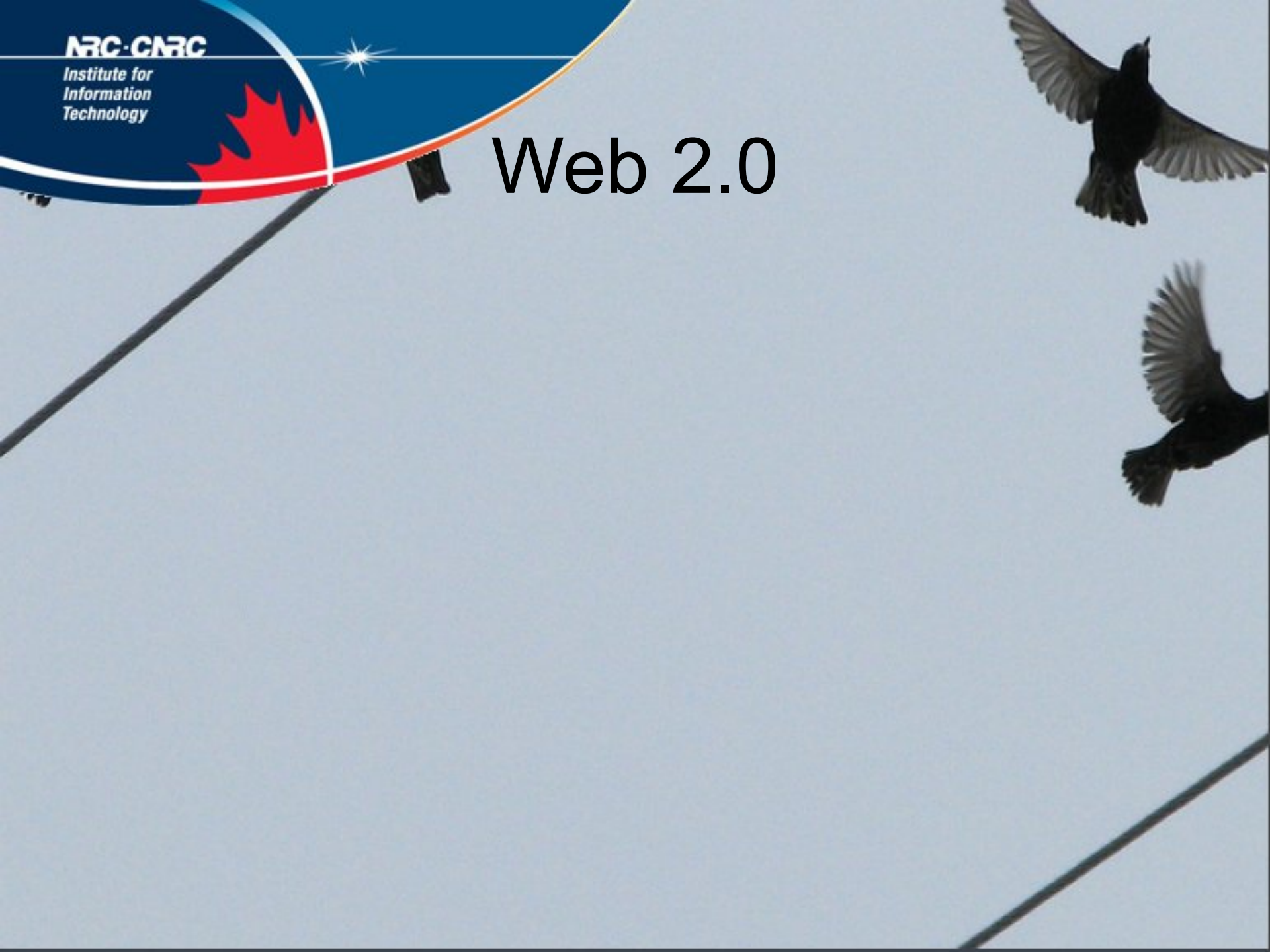
Web 2.0



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UGC

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syndication

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Saas - ajax

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Identity & OpenID

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http://www.sfsu.edu/~avitv/images/collaboratory/Collaboration_Articles.pdf see http://www.maine.edu/pdf/CooperativeLearning.pdf

In contrast to competitive and individualistic learning, students can work together cooperatively to accomplish shared learning goals. Each student achieves his or her learning goal if and only if the other group members achieve theirs. Students work together in small groups to ensure that all group members achieve up to a preset criterion. When all group members reach criteria, each member may receive bonus points.

Cooperative learning is the heart of problem-based learning. It is related to collaborative learning, which emphasizes the "natural learning" (as opposed to training resulting from highly structured learning situations) that occurs as an effect of community in which students work together in unstructured groups and create their own learning situation.

Not all that glitters is gold, of course, and not all group efforts are cooperative.

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Groups collaborate, networks cooperate.

http://kolea.kcc.hawaii.edu/tcc/tcon99/papers/noakes.html

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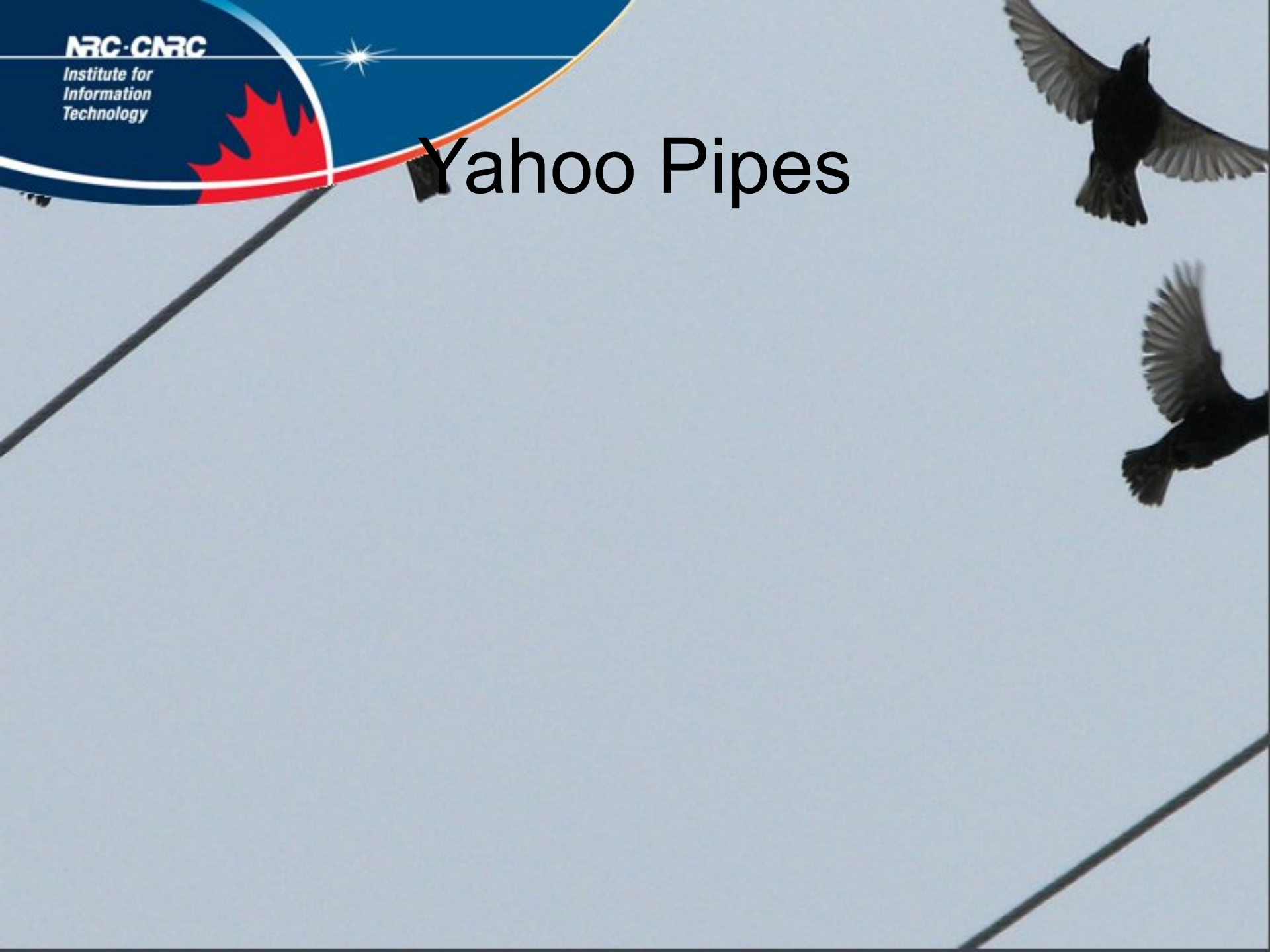
Yahoo Pipes



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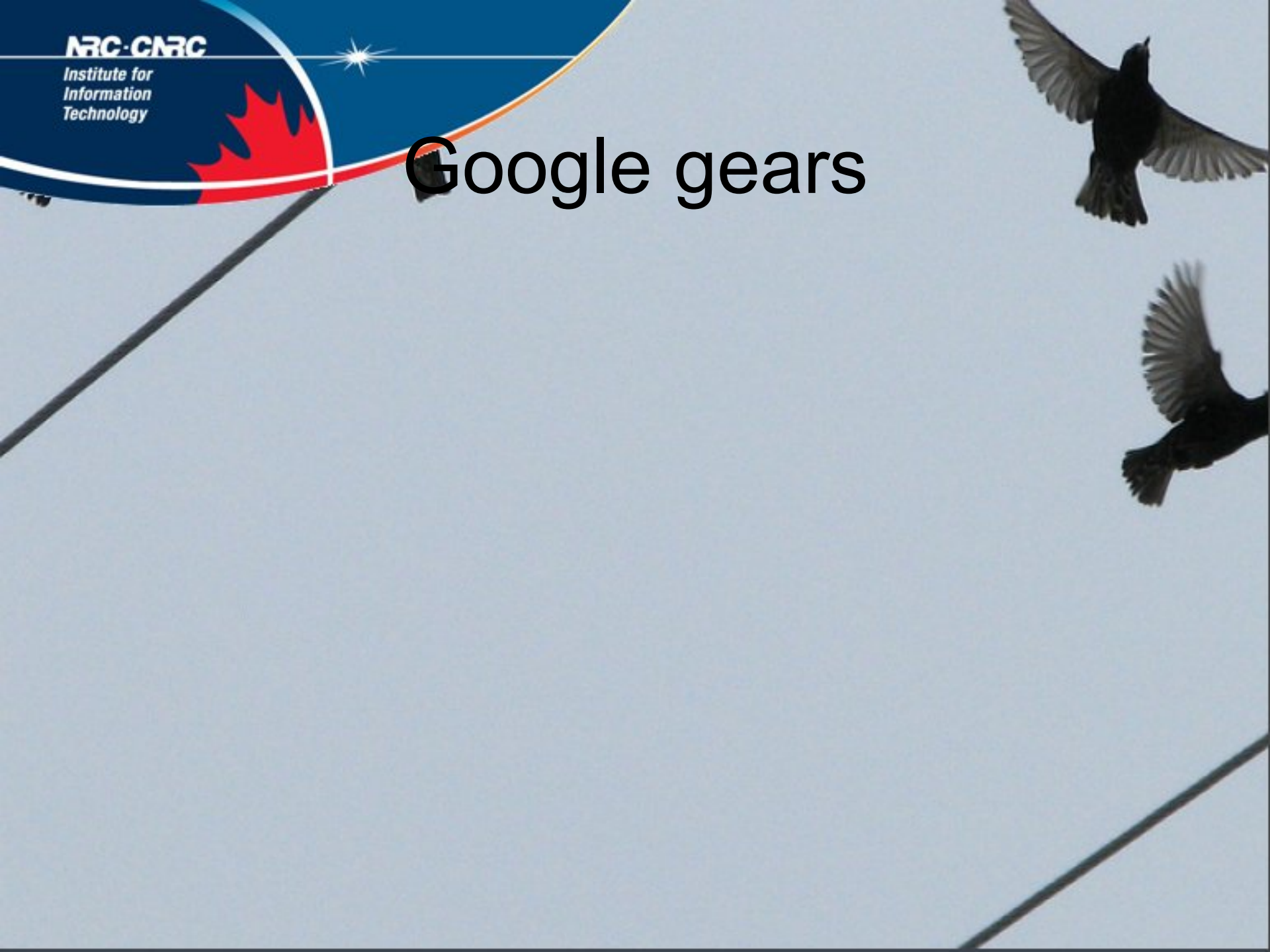
Google gears



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gRSShopper

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changing nature of community
-
http://www.mguhlin.net/archives/02-13-2008_02-11-2009.htm#6926

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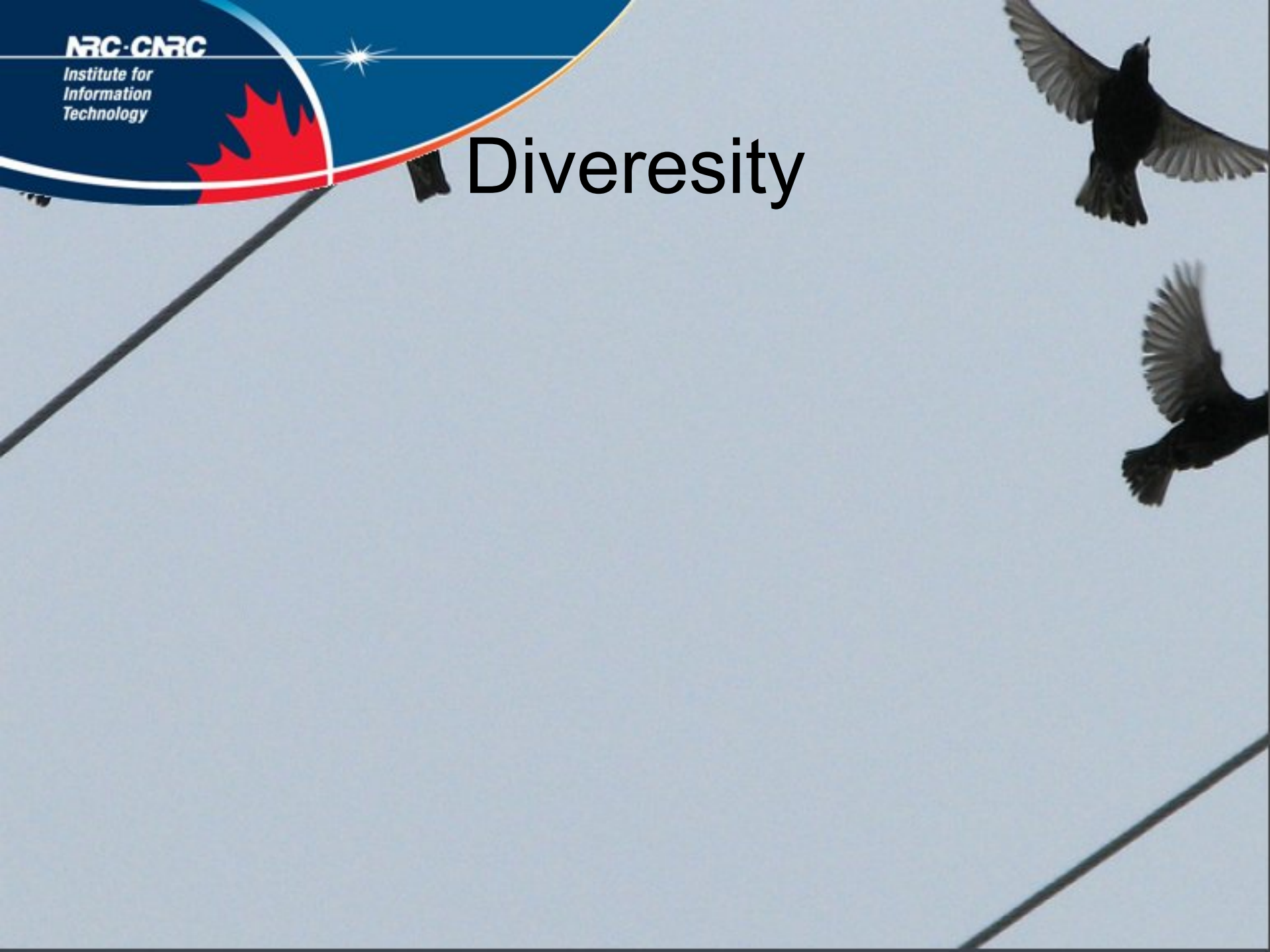
Diveresity



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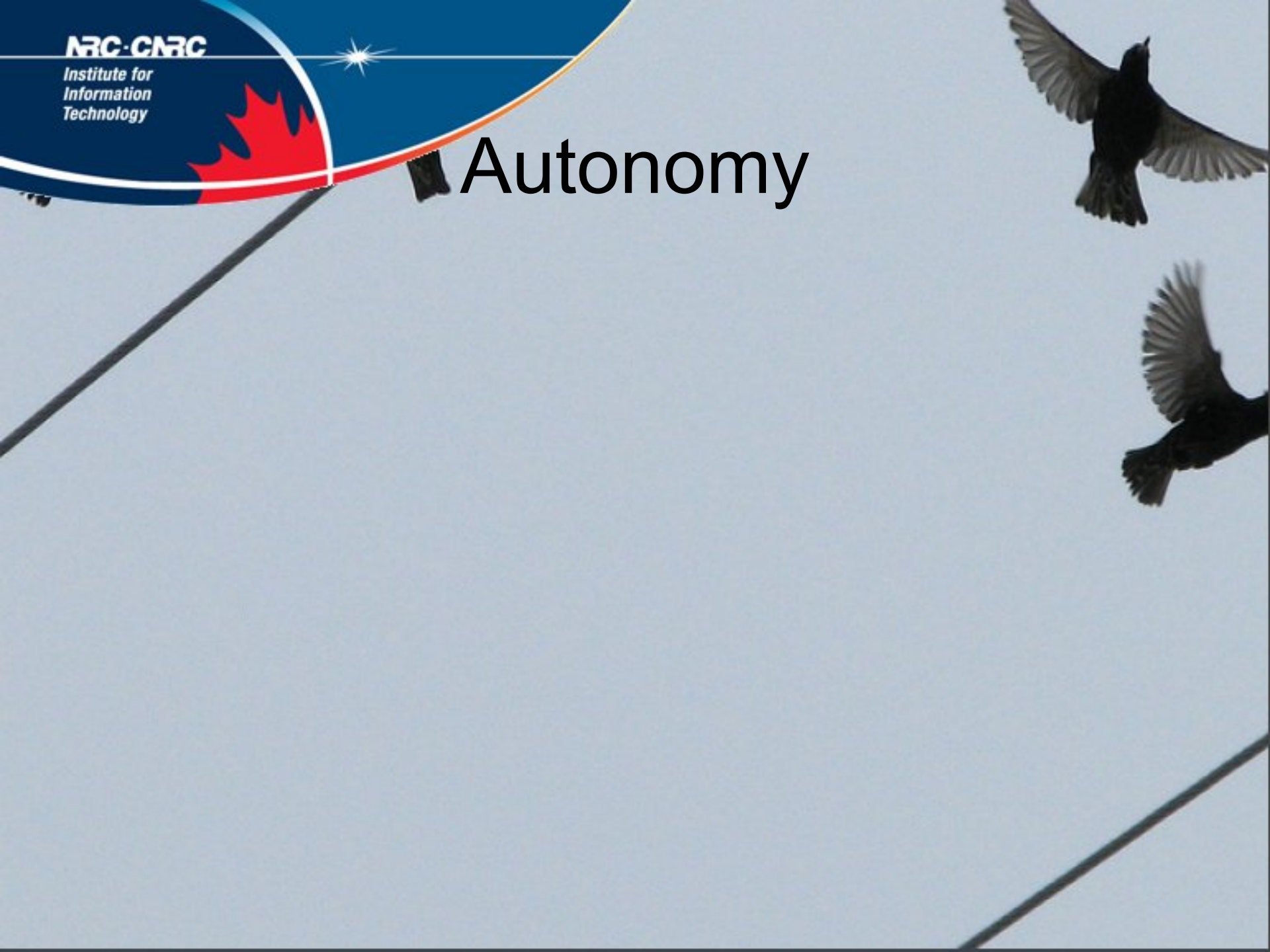
Autonomy



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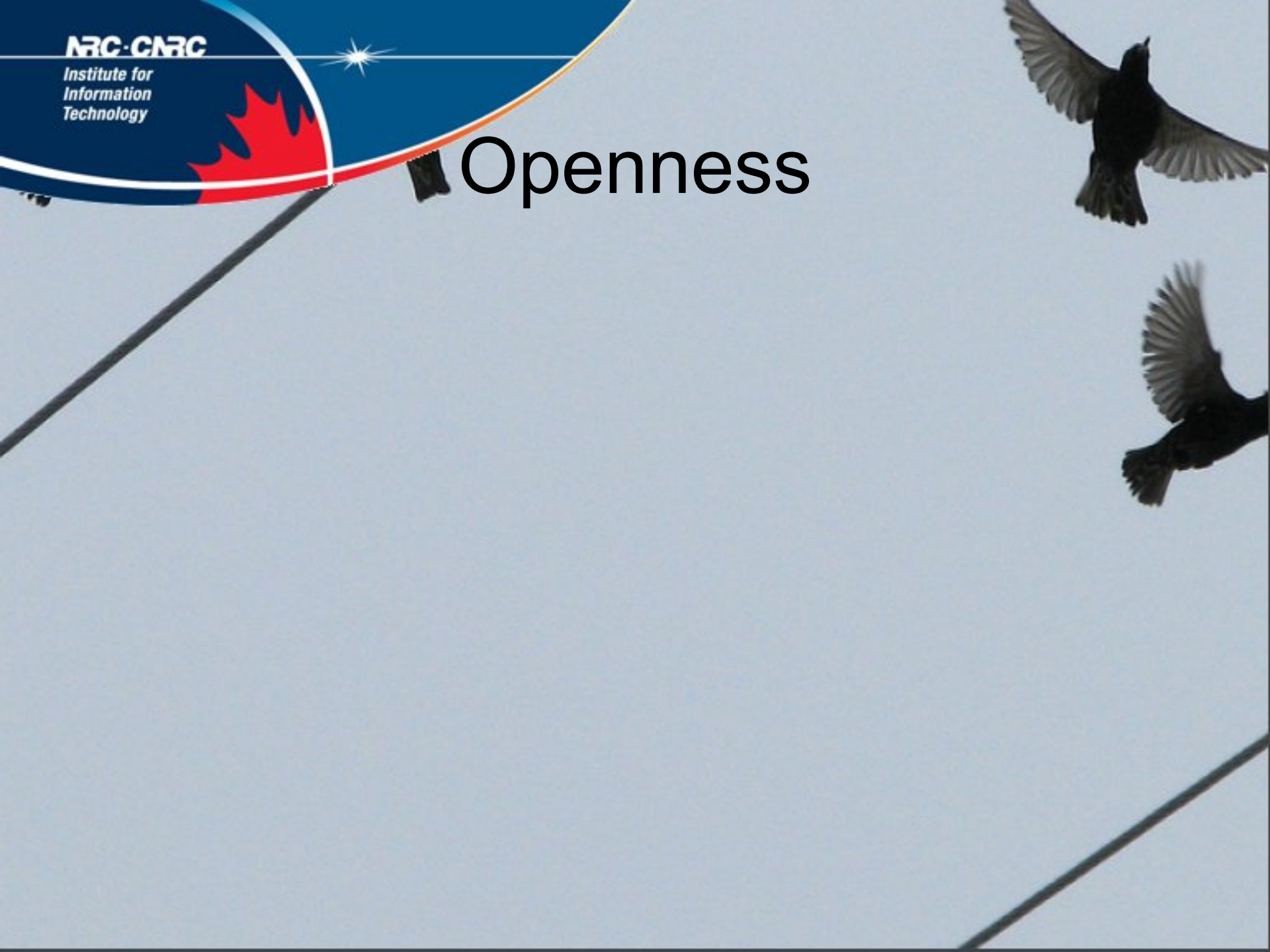
Openness



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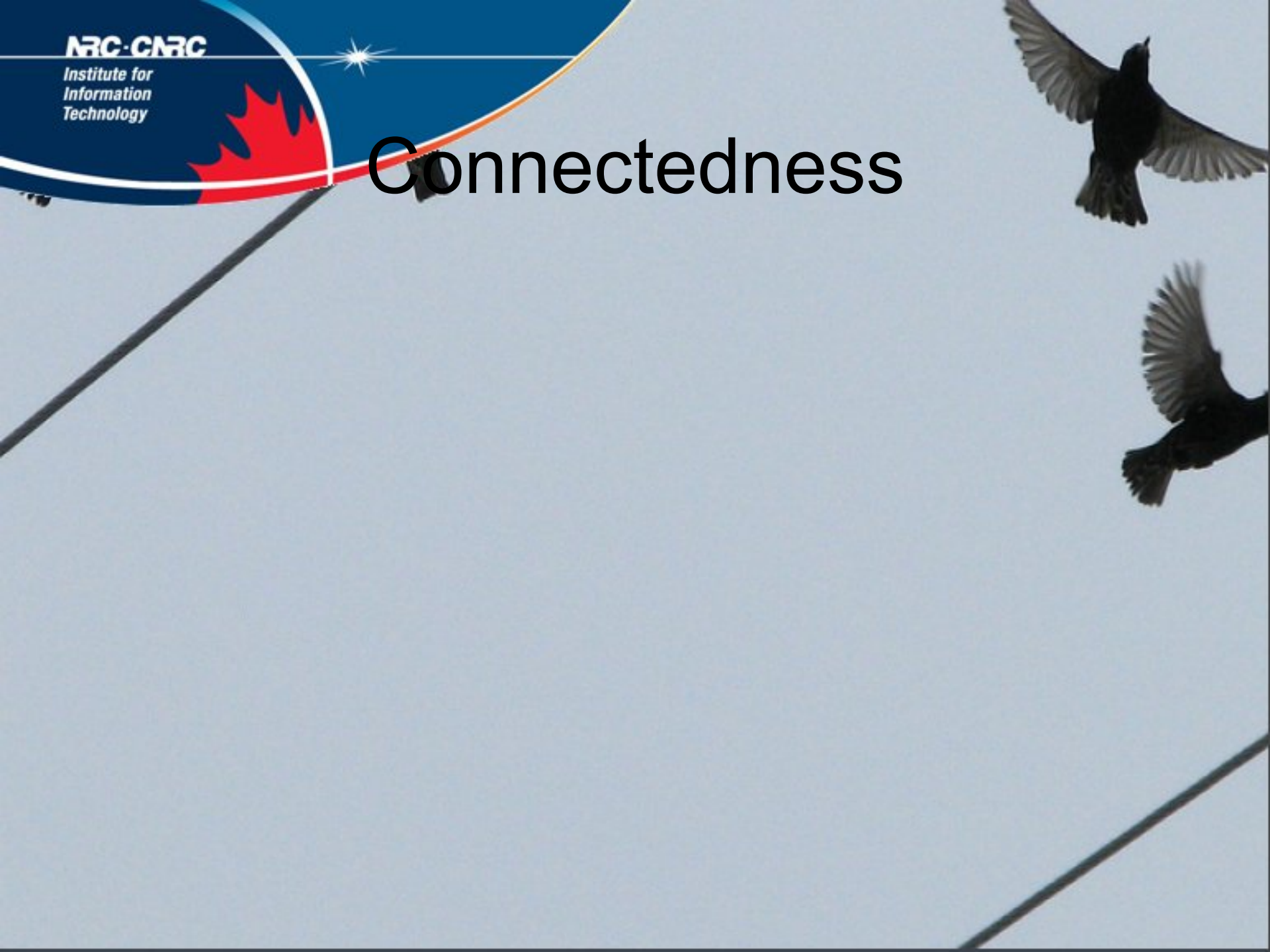
Connectedness



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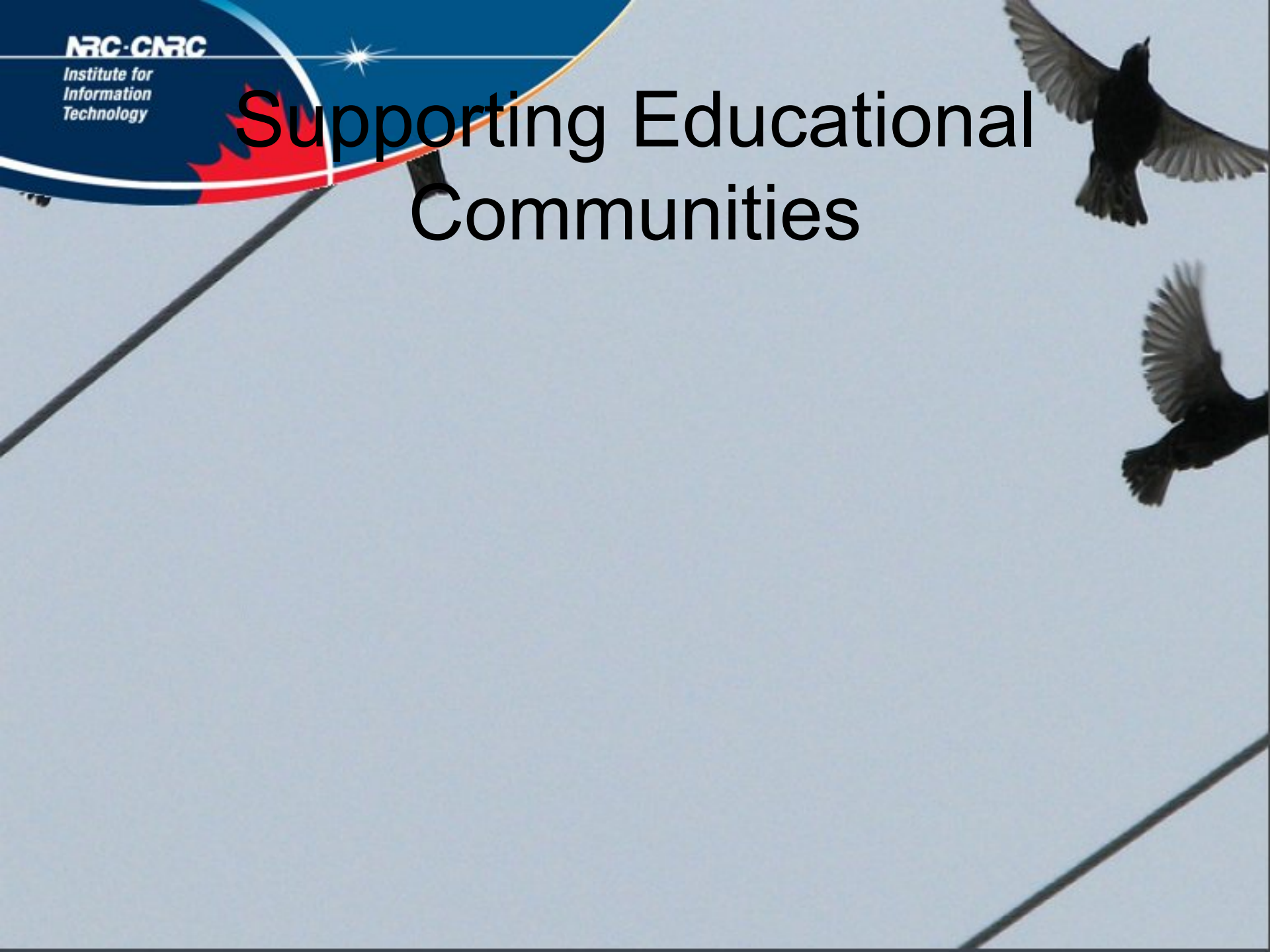
Supporting Educational Communities



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The idea of providing services

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*

Structured, easy-to-use forums and mail lists for different purposes (support, discussion, suggestions)

*

A central transparent place to safely store all source code (a CVS server)

*

A tracker to keep track of

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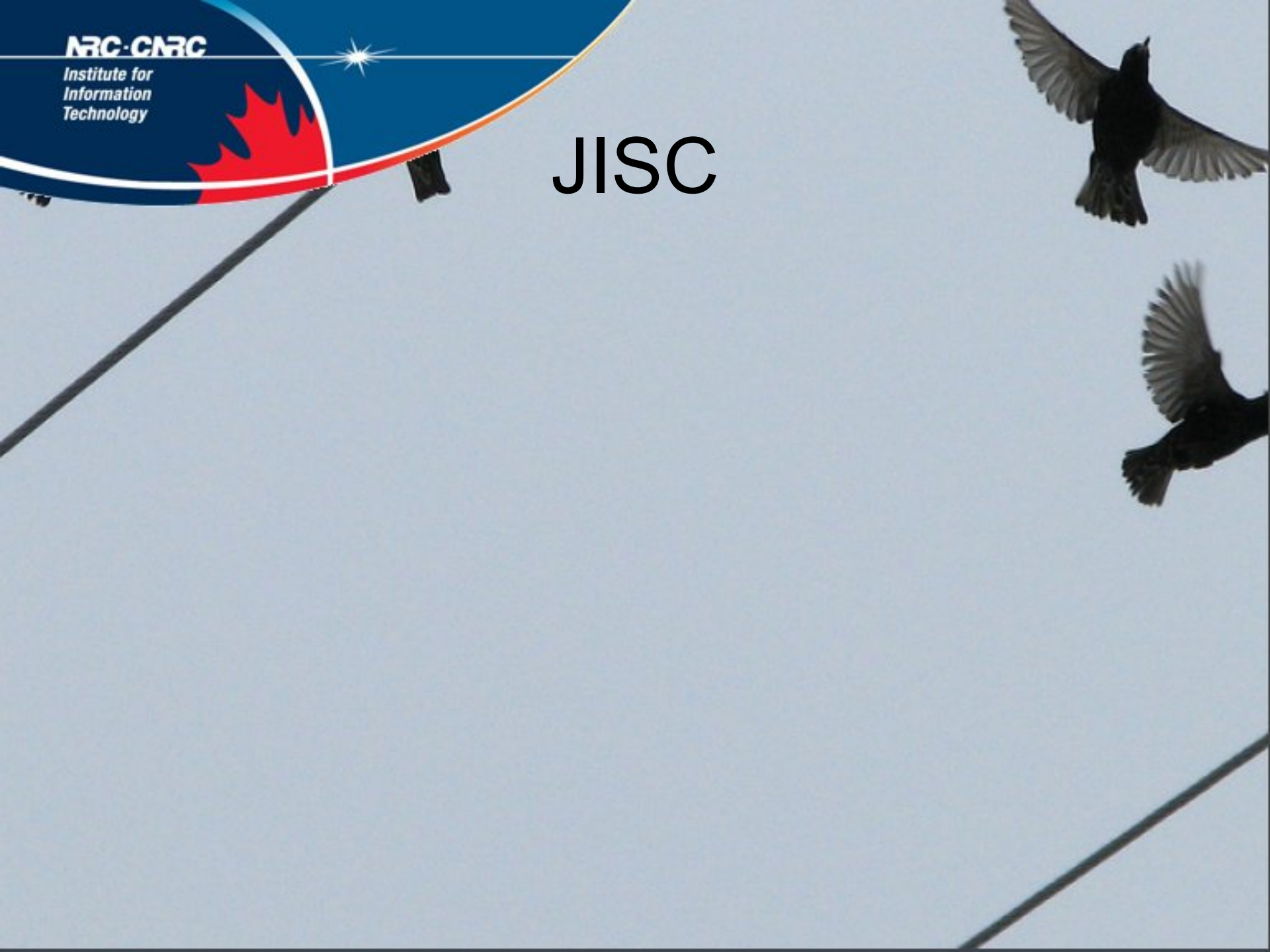
Connexions



JISC

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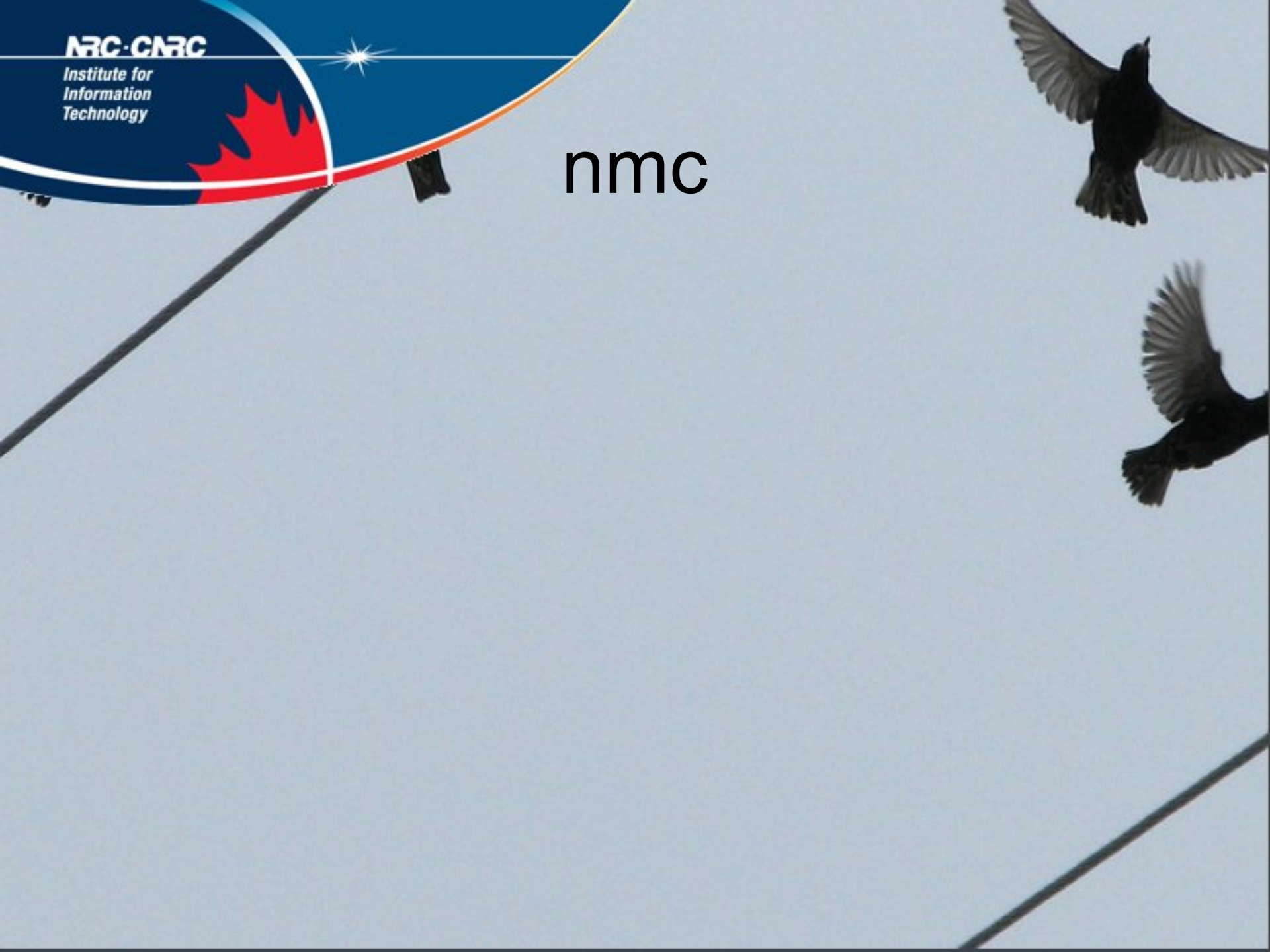
European schoolnet



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