

REPORT

A Review of the WAZA/IZE Survey

By

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The following report is a summary of the results of a survey conducted for a selection of WAZA/IZE institutions. The objective of the survey was to determine whether and to what extent institutions were using biodiversity-related educational materials. The survey questions are summarized by the following simplified questions:

- I. Who is creating materials?
 - II. What materials currently exist?
 - III. Where are the materials?
 - IV. What do institutions want?
 - V. What are the most pressing issues?
 - VI. What partnerships exist?
 - VII. What evaluations exist?
 - VIII. What institutions have produced materials for conservation projects?
 - IX. Additional comments or ideas?
 - X. Contact details
 - XI. Discussion
-

I. Who is creating materials?

Institutions involved in producing biodiversity-related educational materials

N = 48 (institutions named)

- The results reflect a broad distribution across the regions. The geographic distribution of institutions named is as follows:
 1. North America (14 institutions named)
 2. Europe (10)
 3. Asia (10)
 4. Central and South America (9)
 5. Africa (5)
- Within North America, WCS's institutions (Bronx, Central Park, Queens and Prospect Park Zoos, and the NY Aquarium) have the greatest representation.

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Within Europe, institutions associated with Frankfurt are the majority. In Asia, institutions in Japan and India have significant representation. In Central and South America, institutions in Brazil are well represented and in Africa, South African institutions lead.

- Below is a list of named institutions, their regions and their corresponding contact details:

North America

Institution	Contact
Canadian Association of Zoos and Aquariums	Bill Peters
Disney's Animal Kingdom	Kathy Lehnhardt
Field Museum	Beth Crownover
Lincoln Park Zoo	Leah Melber
National Park Service	Not given
Project Wild (Council for Environmental Education)	Info@councilforee.org
Sea World and Busch Gardens	William Street
Southwest Florida Water Management District	Not given
WCS Zoos (Bronx, Central Park, Prospect Park, Queens, and the NY Aquarium)	Jim Breheny
WWF	1250 24 th Street, NW, Washington, DC 20037
Zoo de Granby	Patrick Pare

Europe

Institution	Contact
Bio Frankfurt	krutschinna@biofrankfurt.de
Budapest Zoo and Botanical Garden	Gabor Simonyi, simonyi@zoobudapest.com
Kolner Zoo	Ruth Dieckmann
Parken Zoo, Eskilstuna, Sweden	Helena Olsson
Frankfurt Zoological Society	keiser@zgf.de
Goethe-Universitat Frankfurt-Biologiedidaktik	dierkes@bio.uni-frankfurt.de

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Jaszbereny Zoo	Peter Fercsik
Szeged Zoo	Lajos Endredi
Verband deutschsprachiger Zoopadagogen (VZP)	Lothar Philips
Zoologische Gesellschaft Frankfurt-Naturschutzbotschafter	keiser@zgf.de

Asia

Institution	Contact
Centre for Environmental Education, CEE	Kartikeya Sarabhai
Central Zoo Authority, India	Not given
Community Science Center	Dilip Sircar
Hiroshima City Asa Zoological Park	Not given
Ministry of Environment of Japan	Not given
Ocean Park, Hong Kong	Isabel Li
Tokyo Zoological Park Society	Not given
Ueno Zoological Gardens	Hidemasa Hori
Yokohama Zoological Garden	Kasumi Nagakura
Zoo Outreach Organization, ZOO	B.A. Daniel

Central and South America

Institution	Contact
Africam Safari Puebla	Carmen Linares
Brasilia Zoo – Brasil	Belarmino Filho
Chiba Zoological Park	Hiroyuki Takahashi
Fundacion Zoologica de Cali	Igino Mercury
Fundacion Zoologico Santacruz Fundacao Parque Zoologico CD Sao Paulo - Brasil	Sandra Gomez and Adauto Nunes
Paulina Zoo – Sao Paulo – Brasil	Marcelo Telles
Zoologico Matecafia de Pereira	Sandra Milena Correa Montoya
Zoologico de Barranquilla	Not given

Africa

Institution	Contact
Johannesburg Zoo	Louise Gordon
National Zoo	Ulrich Oberprieler
South African Association for Marine Biological Research	Jone Porter
Two Oceans Aquarium	Russel Stevens
uShaka Marine World	Jone Porter

II. What materials currently exist?

Available biodiversity-related educational materials

N = 28

- The five biodiversity-related educational materials most found are:

- Activities such as games and puzzles (79 %*)
- Posters, natural history objects, and photos (71 % each)
- Videos (61 %)
- Workbooks and brochures (57 % each)
- Science equipment (43 %)

* Response percent out of the total number of responses

- The five educational materials least found are:

- iPad wildlife programs (7 %)
- Music/songs and masks (14 % each)
- Computer wildlife programs (18 %)
- Scripts for dramas (25 %)
- Costumes (32 %)

III. Where are the materials?

The location of biodiversity-related educational materials

N = 22

- The majority (50 % of responses) of the institutions in the survey hold hardcopies of their educational materials in their education departments.
- A further 23 % of responding institutions have their materials available online.
- 14 % have their educational materials available both as hardcopies and online.
- 14 % deliver their educational materials only after participants have completed special workshops or training.

IV. What do institutions want?

Educational materials wish list

N = 30

- The five biodiversity-related educational materials most wished for are:
 1. Videos (60 %)
 2. iPad wildlife programs (53 %)
 3. Activities such as games and puzzles (40 %)
 4. Computer wildlife programs (40 %)
 5. Photos (33 %)
- The five biodiversity-related education materials least wished for are:
 1. Data collection sheets (10 %)
 2. Table displays (10 %)
 3. Brochures (13 %)
 4. Workbooks (17 %)

5. Masks (17 %)

V. What are the most pressing issues?

Gaps in zoo/aquarium biodiversity education

N = 28

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- 79 % of respondents felt that there were gaps in zoo/aquarium biodiversity education that were pressing and urgent to fill.
 - Of the 28 respondents, 18 provided descriptions of the needs. The three most frequently mentioned were:
 1. The need to evaluate and monitor different programs (4 responses)
 2. The need for financial and physical resources to implement programs (2 responses)
 3. The need for more networking between zoos (2 responses)
 - Other needs worth considering were:
 1. The need for a centralized collection of materials such as lesson plans, photos, and videos
 2. Resources to help define the term “biodiversity”
 3. The opportunity to use technology more effectively
 4. High-quality videos between 10-15 minutes long, detailing biodiversity-related issues

VI. What partnerships exist?

Partnership reference list

N = 17

North America

Institution	Description	Runtime	Contact
Canadian Association of Zoos and Aquariums	Not given	Since 2010	Bill Peters

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Canadian Association of Zoos and Aquariums	A unique theme about Canadian biodiversity every year	Not given	Greg Tarry
CBOT Chicago Zoo <u>with</u> Santacruz Zoo of Colombia	Amphibian conservation program	Two years	Alejandro Grajal
Disney's Animal Kingdom <u>with</u> Proyecto Titi in Colombia	Supports scientific and educational activities in Columbia	Ten years	Anne Savage and Kathy Lehnhardt
Disney's Animal Kingdom <u>with</u> PASA in Africa	Community conservation projects for primates	Seven years	Anne Savage and Kathy Lehnhardt
Disney's Animal Kingdom <u>with</u> Save the Elephants in Kenya	Education programs that enhance the scientific work with the species	Six months	Anne Savage and Kathy Lehnhardt
WCS <u>with</u> Wildlife Reserves Singapore	MoU, staff and information exchanges	Ongoing	Jim Breheny

Europe

Institution	Description	Runtime	Contact
Senckenbergmuseum <u>with</u> Palmengarten	Guided tours about biodiversity showing differing points of view between the natural history museum and the botanical garden	Since 2008	Not given
Tiergarten Schonbrunn <u>with</u> Nationalpark Kiskunsag	Hungarian meadow viper life project (www.rakosivipera.hu/en/)	Since 2009	Anton Weissenbacher

Asia

Institution	Description	Runtime	Contact
Central Zoo Authority, India <u>with</u>	Long term and short term	More than five years	Mr. Bonal and Kartikeya Sarabhai

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Ministry of Environment and Forests, India			
Isabela University <u>with</u> Monte Negro Crocodile Reserve, Philippines	Zoos together with NGO's are promoting biodiversity as a way to save the endangered Philippine crocodile	Five years	Not given
Tokyo University of Agriculture <u>with</u> Azabu University	Partnership between universities and zoos	One year	Hiroshi Ogawa
Wildlife Research Center of Kyoto University	Not given	Not given	Not given

Central and South America

Institution	Description	Runtime	Contact
Africam Safari Puebla <u>with</u> South America	The design and production of educational materials related to "traffic"	One year	Not given
Fundacion Proyecto Titi	Columbian zoos support conservation-related portion of the project's educational activities	Three years	Tosamira Guillen
Sao Paulo City Municipality <u>with</u> Aracoiaba Da Serra Municipality, Sao Paulo State	Agreement between attending school students and professors	Two years	Municipality Secretariat of the Environment

Africa

Institution	Description	Runtime	Contact
WWF SA South African Sustainable Seafood Initiative <u>with</u> SAAMBR	Part of a national program, each partner brings specific expertise and audience	Since 2004	Janine Basson and Jone Porter

VII. What evaluations exist?

Prevalence of evaluations, their content, and location

N = 22

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- 46 % of respondents had evaluated their partnership conservation programs.
 - Of the respondents who had answered in the affirmative, 9 provided details of what had been measured:
 1. Number of participants (89 %)
 2. Change in knowledge (67 %)
 3. Change in attitudes (56 %)
 4. Number of conservation actions presented in program (44 %)
 - A further five of the respondents provided details on the evaluation results and their locations:

1. www.cceindia.org , www.cza.nic.in
2. www.wwf.org.za/sassi , jbasson@wwf.org.za
3. www.cvpd.org/croc_achievements.php
4. CAZA
5. Kathy Lehnhardt (PASA project proposal), Anne Savage (Proyecto Titi evaluation)

VIII. What institutions have produced materials for conservation projects?

Knowledge of other biodiversity-related educational materials and contact details

N = 25

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- 56 % of respondents were aware of other zoos/aquariums that had produced educational materials.
 - The education materials most produced were (N = 12):

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1. Brochures (67 %)
2. Posters (58 %)
3. Workbooks and photos (42 % each)
4. Data collection sheets and books/field guides (17 % each)

- 12 institutions were named:

Institution	Contact	Institution Implementing the Conservation Project	Conservation Project Contact
ACOPAZOA	Carolina Falla	Zoos and aquariums of Colombia	Not given
Assam State Zoo / Botanical Garden, India	Dr. Mohanta	Assam State Zoo	Flora and Faunal Biodiversity and Conservation
Assiniboine Zoo	Not given	WWF	Not given
Budapest Zoo	Endre Sos	Birdlife Hungary	Blaint Halpern
Cologne Zoo	Ruth Dieckmann	Cologne Zoo	Conservation project in Vietnam (Phong Nha-Ke Bang)
Fundacao Parque Zoologico de Sao Paulo, Belo Horizonte Zoo, Brasilia Zoo	Not given	Not given	Not given
International Conservation Program of Saguinus leucopus, Colombia	Carolina Falla	Five Colombian zoos	Carolina Falla
Johannesburg Zoo	Louise Matschke	Johannesburg Zoo	Not given
Leipzig Zoo	Robert Liebecke	Not given	Not given
Parken Zoo	Helena Olsson	Durrell Organization	Jamie Copsey
Tokyo Sealife Park	Kazuhiro Sakamoto	Tama Zoological Park	Orangutan conservation project
Zoologico de Cali	Igino Mercury	Zoologico de Cali	Carlos Andres Galvis

IX. Additional comments or ideas?

N = 4

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- Respondents suggested:
 1. Marketing and benchmarking educational programs
 2. Fundraising and/or making programs self-sufficient
 3. Creating a cadre of zoo educators and volunteers
 4. Addressing sustainability issues in zoos
 5. Establishing more links within the zoo and aquarium community

X. Contact Details

N = 25

Name	Email Address	Institution
Meena Nareshwar	meena.nareshwar@ceeindia.org	Center for Environmental Education, India
Endre Sos	dross@zoobudapest.com	Budapest zoo and Botanical Garden
Jone Porter	jporter@seaworld.org.za	SAAMBR
Sandra Milena Correa Montoya	sandraeduzoo@yahoo.com	Zoologico Matecafia de Pereira
Seitaro Wada	wad824@cigy.kyoto.jp	Kyoto City Zoo
Tara Schultz	tschultz@txstateaqu.org	Texas State Aquarium
Helena Olsson	helena.olsson@parkenzoo.se	Parken Zoo, Eskilstuna, Sweden
Joao Batista de Cruz	jbcruz@sp.gov.br	Sao Paulo Zoo
Martina Weiser	martina.weiser@stadt-frankfurt.de	Zoo Frankfurt a.M.
Bill Street	william.street@buschgardens.com	SeaWorld Parks and Entertainment
Isabel Li	isabel.li@oceanpark.com.hk	Ocean Park
Carmen T. Linares A.	clinares@africamsafari.com.mx	Africam Safari Puebla
Sandra Gomez	sgomez@zoosantacruz.org	Santacruz Zoological Foundation

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Connie Kassner	conniek@ci.waco.tx.us	Cameron Park Zoo
Ruth Dieckmann	dieckmann@koelnerzoo.de	Cologne Zoo
Louise Gordon	louise@jhbzoo.org.za	Johannesburg Zoo
Hiroyuki Takahashi	htakahash.czp@gmail.com	Chiba Zoological Park, Japan
Jim Breheny	jbreheny@wcs.org	Bronx Zoo/WCS
Patrick Pare	ppare@zoodegranby.com	Zoo de Granby
Barbara Lafresnaye	blafresnaye@gvzoo.com	Greater Vancouver Zoo
Catalina Rodriguez Alvarez	crodriguez@parquejaimeduque.com	Zoológico Jaime Duque
Hanno Fuernwein	h.fuernwein@zoovienna.at	Schoenbrunner Tiergarten GmbH
Leah Melber	lmelber@lpzoo.org	Lincoln Park Zoo
Kathy Lehnhardt	kathy.lehnhardt@disney.com	Disney's Animal Kingdom
Robert Liebecke	rliebecke@zoo-leipzig.de	Leipzig Zoo

XI. Discussion

Who, What, Where, and How?

The survey suggests that there is a broad range of activity surrounding the use and production of biodiversity-related educational materials. All of the geographic regions appear to be involved, most notably, North America, Europe, and Asia. Of the educational materials in use, the most prevalent seem to be activities such as games and puzzles. Posters, natural history objects, and photographs also appear to be widely used. All of these materials are the staples of any zoo/aquarium education department. They are frequently used to educate, engage, and inspire their audiences.

Survey participants reported that the least used materials are iPad wildlife programs and materials related to the performing arts such as costumes, scripts, and music. Both of these categories are expensive and highly specialized, demanding software expertise and financial and physical resources, which may be difficult to come by.

The majority of survey participants indicate that their biodiversity-related educational materials are available onsite as hardcopies. Very few institutions appear to be using technology to share and distribute resources online, which is surprising in this day and age.

Survey respondents suggest that videos and iPad wildlife programs are the two biggest items on their wish lists. As there is no shortage of natural history documentaries and educational videos available for purchase, it is interesting to see videos listed as the top-ranking item among institutions. Further research should examine what types of videos institutions are referring to. Furthermore, the broad interest in iPad wildlife programs demands attention.

The least wished for items by survey participants, were data collection sheets and table displays, materials that most zoo/aquarium education departments are likely to already have, as they represent the tried and true staples of environmental education.

The majority of survey participants believed that there were gaps in zoo and aquarium biodiversity education that were pressing and urgent. Of the respondents who gave insights into what these were, several suggested that there should be more evaluation and monitoring of educational programs. Others felt that there was a basic lack of financial and physical resources available to implement programs. A handful of survey participants also believed that there should be more networking between zoos and aquariums. Some participants suggested practical solutions to needs, such as designing educational resources to help define the term “biodiversity”. One of the most useful suggestions was the idea to develop a centralized collection of educational materials such as lesson plans, photos, and videos. If such a collection were developed, it would help education departments to maximize their potential. An online system of some sort, for example, could help educators share a wide range of resources from lesson plans, to computer wildlife programs, to best practice advice. Such a system could also help to make education

departments more efficient because they would not have to “reinvent the wheel” each time they develop new material. •

Partnerships, Evaluations, and Other Resources








The current survey found that there was a considerable selection of partnerships across the world, reflecting an active and engaged community of educators and conservation professionals. The list of partnerships and contact details is a useful resource.

Furthermore, the current survey revealed that a considerable number of institutions had performed evaluations on their educational programs, however, the quality and extent of the evaluations was difficult to determine based on the results. Further research should examine these elements in more depth.


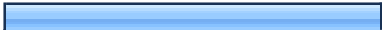

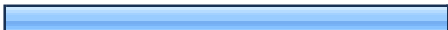

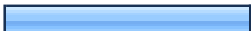













Finally, survey participants provided a useful list of other institutions involved in producing biodiversity-related educational materials. This list may be helpful in the future.

• The idea of an online system to collect educational materials is not specifically given in the survey. The suggestion is given by Laura Penn.

1. Can you name any institution that has produced educational materials specifically about biodiversity in your region? (where the term biodiversity was used)

		Response Percent	Response Count
Name of Institution 1		96.2%	25
Name of Contact 1		88.5%	23
Name of Institution 2		57.7%	15
Name of Contact 2		53.8%	14
Name of Institution 3		46.2%	12
Name of Contact 3		30.8%	8
Additional information		19.2%	5
answered question			26
skipped question			5

2. What kind of biodiversity educational materials have been produced? Check the materials that you use or you know are in use:

		Response Percent	Response Count
posters		71.4%	20
videos		60.7%	17
brochures		57.1%	16
natural history objects (skulls, skins, specimens, bones, dung)		71.4%	20
activities (games, puzzles, etc)		78.6%	22
data collection sheets		39.3%	11
footprints		32.1%	9
workbooks		57.1%	16
photos		71.4%	20
books/field guides		35.7%	10
table displays		35.7%	10
music/songs		14.3%	4
masks		14.3%	4
costumes		32.1%	9
scripts for dramas		25.0%	7
science equipment (binoculars, microscopes, weigh scales, etc.)		42.9%	12
computer wildlife programs		17.9%	5
iPad wildlife programs		7.1%	2
Other		14.3%	4

If other, please specify

9

answered question

28

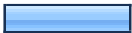















skipped question




3

3. Where can the materials you have selected in question 2 be found?

	Response Count
	25
answered question	25
skipped question	6

4. What educational materials are on your “wish list” of ones you’d like to have that would enhance your teaching about biodiversity?



		Response Percent	Response Count
posters		20.0%	6
videos		60.0%	18
brochures		13.3%	4
natural history objects (skulls, skins, specimens, bones, dung)		20.0%	6
activities (games, puzzles, etc)		40.0%	12
data collection sheets		10.0%	3
footprints		20.0%	6
workbooks		16.7%	5
photos		33.3%	10
books/field guides		30.0%	9
table displays		10.0%	3
music/songs		23.3%	7
masks		16.7%	5
costumes		30.0%	9
scripts for dramas		30.0%	9
science equipment (binoculars, microscopes, weigh scales, etc.)		20.0%	6

computer wildlife programs		40.0%	12
iPad wildlife programs		36.7%	11
Other		13.3%	4

If other, please specify 9

answered question	30
skipped question	1


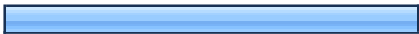
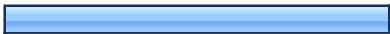
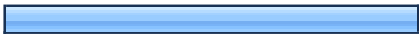

5. Do you see any gaps in zoos and aquarium biodiversity education that are pressing and urgent to fill?

		Response Percent	Response Count
Yes		78.6%	22
No		21.4%	6



If yes, please describe needs 19

answered question	28
skipped question	3






6. Please name any partnership that has a project focusing on biodiversity education between zoos and aquariums in different regions?

		Response Percent	Response Count
Name of institution in Region 1:		100.0%	21
Name of institution in Region 2:		66.7%	14
Name of contacts:		61.9%	13
Describe partnership:		66.7%	14
How long did it run?		76.2%	16
answered question			21
skipped question			10

7. Was the project evaluated?

		Response Percent	Response Count
Yes		45.5%	10
No		54.5%	12
answered question			22
skipped question			9



8. What was measured?

		Response Percent	Response Count
Number of participants		88.9%	8
Number of conservation actions presented in program		44.4%	4
Change in knowledge		66.7%	6
Change in attitudes		55.6%	5
Other		11.1%	1
Other (please specify)			2
answered question			9
skipped question			22




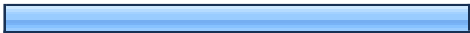
9. Please provide details on the evaluation results (publications, website or other sources)

	Response Count
	8
answered question	8
skipped question	23














10. Do you know of any zoo or aquarium that has produced educational materials specifically about biodiversity, (and mention the term of biodiversity) for a partner zoo or aquarium, in relation and support of a CONSERVATION PROJECT?

		Response Percent	Response Count
Yes		56.0%	14
No		44.0%	11
answered question			25
skipped question			6

11. Please name the ones you know.

		Response Percent	Response Count
Name of institution:		100.0%	12
Name of contact:		100.0%	12
Name of institution implementing the conservation project:		83.3%	10
Name of conservation project contact:		75.0%	9
answered question			12
skipped question			19




12. Check / tick the type of educational materials they produced

		Response Percent	Response Count
posters		58.3%	7
videos		41.7%	5
brochures		66.7%	8
natural history objects (skulls, skins, specimens, bones, dung)		8.3%	1
activities (games, puzzles, etc)		8.3%	1
data collection sheets		16.7%	2
footprints		8.3%	1
workbooks		41.7%	5
photos		41.7%	5
books/field guides		16.7%	2
table displays		0.0%	0
music/songs		0.0%	0
masks		8.3%	1
costumes		8.3%	1
scripts for dramas		0.0%	0
science equipment (binoculars, microscopes, weigh scales, etc.)		0.0%	0
computer wildlife programs		0.0%	0
iPad wildlife programs		0.0%	0
Other		8.3%	1
answered question			12
skipped question			19

13. Any additional comments / ideas?

	Response Count
	4
answered question	4
skipped question	27

14. Please fill in your name, email adress and institution

		Response Percent	Response Count
Name:		100.0%	25
Email adress:		100.0%	25
Institution:		100.0%	25
	answered question		25
	skipped question		6

Page 1, Q1. Can you name any institution that has produced educational materials specifically about biodiversity in your region? (where the term biodiversity was used)

Name of Institution 1		
1	Centre for Environment Education, CEE, Ahmedabad, Gujarat, INDIA	Dec 20, 2011 6:50 PM
2	Budapest Zoo and Botanical Garden	Dec 20, 2011 2:55 PM
3	South African Association for Marine Biological Research	Dec 20, 2011 12:13 PM
4	Zoologico Matecaña de Pereira	Dec 19, 2011 2:38 PM
5	Zoologico Matecaña de Pereira	Dec 19, 2011 2:31 PM
6	Ministry of Environment of Japan	Dec 18, 2011 3:12 AM
7	World Wildlife Fund (2002)	Dec 16, 2011 5:59 PM
8	Parken Zoo, Eskilstuna	Dec 16, 2011 9:17 AM
9	Zoologische Gesellschaft Frankfurt-Naturschutzbotschafter	Dec 14, 2011 3:30 PM
10	FUNDAÇÃO PARQUE ZOOLOGICO CD SÃO PAULO - BRASIL	Dec 14, 2011 2:38 PM
11	Frankfurt Zoological Society	Dec 14, 2011 12:35 PM
12	SeaWorld and Busch Gardens	Dec 12, 2011 4:14 PM
13	Ocean Park Hong Kong	Dec 12, 2011 3:32 AM
14	Africam Safari Puebla	Dec 10, 2011 7:24 PM
15	Fundacion Zoologico Santacruz	Dec 9, 2011 8:52 PM
16	Verband deutschsprachiger Zoopädagogen (VZP)	Dec 9, 2011 9:54 AM
17	Johannesburg Zoo	Dec 9, 2011 5:32 AM
18	Chiba Zoological Park	Dec 9, 2011 4:54 AM
19	Bronx Zoo/WCS	Dec 9, 2011 12:10 AM
20	Zoo de Granby	Dec 8, 2011 7:35 PM
21	Canadian Association of Zoos and Aquariums	Dec 8, 2011 5:37 PM
22	Zoológico de Cali	Dec 7, 2011 6:10 PM
23	Lincoln Park Zoo	Dec 5, 2011 4:54 PM
24	hjfgjfg	Dec 5, 2011 9:23 AM
25	kmjk	Dec 5, 2011 9:14 AM
Name of Contact 1		
1	Kartikeya Sarabhai	Dec 20, 2011 6:50 PM
2	Gabor Simonyi, Head of Communication, simonyi@zoobudapest.com	Dec 20, 2011 2:55 PM

Page 1, Q1. Can you name any institution that has produced educational materials specifically about biodiversity in your region? (where the term biodiversity was used)

3	Jone Porter	Dec 20, 2011 12:13 PM
4	Sandra Milena Correa Montoya	Dec 19, 2011 2:38 PM
5	Sandra Milena Correa Montoya	Dec 19, 2011 2:31 PM
7	World Wildlife Fund, 1250 24th Street, NW, Washington, DC 20037	Dec 16, 2011 5:59 PM
8	Helena Olsson	Dec 16, 2011 9:17 AM
9	Keiser@zgf.de	Dec 14, 2011 3:30 PM
10	SOROCABA ZOO - BRASIL - DR. ADAUTO NUNES	Dec 14, 2011 2:38 PM
11	keiser@zgf.de	Dec 14, 2011 12:35 PM
12	William Street	Dec 12, 2011 4:14 PM
13	Isabel Li	Dec 12, 2011 3:32 AM
14	Carmen T. Linares A.	Dec 10, 2011 7:24 PM
15	Sandra Gomez	Dec 9, 2011 8:52 PM
16	Lothar Philips	Dec 9, 2011 9:54 AM
17	Louise Gordon	Dec 9, 2011 5:32 AM
18	Hiroyuki TAKAHASHI	Dec 9, 2011 4:54 AM
19	Jim Breheny	Dec 9, 2011 12:10 AM
20	Patrick Paré	Dec 8, 2011 7:35 PM
21	Bill Peters	Dec 8, 2011 5:37 PM
22	Igino Mercury	Dec 7, 2011 6:10 PM
23	Dr. Leah Melber	Dec 5, 2011 4:54 PM
25	jkhkhj	Dec 5, 2011 9:14 AM
Name of Institution 2		
1	Community Science Centre, Ahmedabad, Gujarat,INDIA	Dec 20, 2011 6:50 PM
2	Szeged Zoo	Dec 20, 2011 2:55 PM
6	Hiroshima City Asa Zoological Park	Dec 18, 2011 3:12 AM
7	Council for Environmental Education Project WILD, Project WILD Aquatic, etc	Dec 16, 2011 5:59 PM
9	Bio Frankfurt	Dec 14, 2011 3:30 PM
10	PAULINIA ZOO - SÃO PAULO-BRASIL - DR. MARCELO TELLES	Dec 14, 2011 2:38 PM
11	Bio Frankfurt	Dec 14, 2011 12:35 PM

Page 1, Q1. Can you name any institution that has produced educational materials specifically about biodiversity in your region? (where the term biodiversity was used)

12	Southwest Florida Water Management District (SWFMD)	Dec 12, 2011 4:14 PM
15	Zoologico de Matecaña	Dec 9, 2011 8:52 PM
16	Kölner Zoo	Dec 9, 2011 9:54 AM
17	Two Oceans aquarium	Dec 9, 2011 5:32 AM
18	Yokohama Zoological Garden	Dec 9, 2011 4:54 AM
19	NY Aquarium/WCS	Dec 9, 2011 12:10 AM
22	Fundación Zoológica Santacruz	Dec 7, 2011 6:10 PM
23	Field Museum	Dec 5, 2011 4:54 PM
Name of Contact 2		
1	Dilip Sircar	Dec 20, 2011 6:50 PM
2	Lajos Endredi	Dec 20, 2011 2:55 PM
7	5555 Morningside Drive, Suite 212 Houston, TX 77005 info@councilforee.org	Dec 16, 2011 5:59 PM
9	krutschinna@biofrankfurt.de	Dec 14, 2011 3:30 PM
10	BELO HORIZONTE ZOO- MINAS GERAIS STATE-BRASIL - DR. CARLYLE MENDES	Dec 14, 2011 2:38 PM
11	krutschinna@biofrankfurt.de	Dec 14, 2011 12:35 PM
15	Sandra Correa	Dec 9, 2011 8:52 PM
16	Ruth Dieckmann	Dec 9, 2011 9:54 AM
17	Russel Stevens	Dec 9, 2011 5:32 AM
18	Ms. Kasumi Nagakura	Dec 9, 2011 4:54 AM
19	Jim Breheny	Dec 9, 2011 12:10 AM
22	Sandra Gómez	Dec 7, 2011 6:10 PM
23	Beth Crownover	Dec 5, 2011 4:54 PM
24	ghfhfg	Dec 5, 2011 9:23 AM
Name of Institution 3		
1	Zoo Outreach Organization, Coimbatore, INDIA	Dec 20, 2011 6:50 PM
2	Jaszbereny Zoo	Dec 20, 2011 2:55 PM
6	Tokyo Zoological Park Society	Dec 18, 2011 3:12 AM
9	Goethe-Universität Frankfurt-Biologiedidaktik	Dec 14, 2011 3:30 PM

Page 1, Q1. Can you name any institution that has produced educational materials specifically about biodiversity in your region? (where the term biodiversity was used)

10	BRASILIA ZOO - BRASIL - DR. BELARMINO G. FILHO	Dec 14, 2011 2:38 PM
11	Goethe-versität Frankfurt a.M. Biologiedidaktik	Dec 14, 2011 12:35 PM
12	National Park Service	Dec 12, 2011 4:14 PM
15	Fundacion Zoologica de Cali	Dec 9, 2011 8:52 PM
17	uShaka marine world	Dec 9, 2011 5:32 AM
18	Ueno Zoological Gardens	Dec 9, 2011 4:54 AM
19	Central Park Zoo/WCS	Dec 9, 2011 12:10 AM
22	Zoológico de Barranquilla	Dec 7, 2011 6:10 PM
Name of Contact 3		
1	Dr.B.A.Daniel	Dec 20, 2011 6:50 PM
2	Peter Fercsik	Dec 20, 2011 2:55 PM
9	dierkes@bio.uni-frankfurt.de	Dec 14, 2011 3:30 PM
11	dierkes@bio.uni-frankfurt.de	Dec 14, 2011 12:35 PM
15	Igino Mercury	Dec 9, 2011 8:52 PM
17	Jone Porter	Dec 9, 2011 5:32 AM
18	Mr. Hidemasa Hori	Dec 9, 2011 4:54 AM
19	Jim Breheny	Dec 9, 2011 12:10 AM
Additional information		
1	Central Zoo Authority, INDIA	Dec 20, 2011 6:50 PM
6	I do not know a person in charge.Object species is as follows.Amphibiansespecially Japanese giant salamanderAndrias japonicus Hiroshima. Tsushima leopard catPrionailurus bengalensis euphilurusToyama Municipal Family Park Zoo,ZOORASIA YOKOHAMA ZOOLOGICAL GARDENS,Oriental StorkCiconia boyciana Hyogo Prefectural Homeland for the Oriental white Stork. PtarmiganLagopus mutus japonicusTokyo, Crested IbisNipponia nipponIshikawaZoo etc	Dec 18, 2011 3:12 AM
17	National Zoo, Ulrich Oberprieler	Dec 9, 2011 5:32 AM
19	Queens Zoo and Prospect Park Zoos/WCS	Dec 9, 2011 12:10 AM
26	Disney's Animal Kingdom have many programs both in-situ and ex-situ but we purposely do not use the term biodiversity in the title. This is a scientific term and not one that is relevant to our general public audience.	Nov 28, 2011 9:46 PM

Page 1, Q2. What kind of biodiversity educational materials have been produced? Check the materials that you use or you know are in use:

1	Presentations for lessons and courses for schools and special interest groups	Dec 20, 2011 12:13 PM
2	Lesson plans	Dec 16, 2011 5:59 PM
3	PowerPoint presentation	Dec 12, 2011 3:32 AM
4	Activity sheets; treasure hunts	Dec 9, 2011 5:32 AM
5	course materials including teacher training materials	Dec 9, 2011 12:10 AM
6	power point about research projects (conservation education) virtual exhibition on endangered species	Dec 8, 2011 7:35 PM
7	Lincoln Park Zoo: Curriculum guide that guides students in conducting original research projects focused on biodiversity. Field Museum: new exhibit that explores this concept and though I am not completely familiar with accompanying educational material, I imagine there is something of interest for you there.	Dec 5, 2011 4:54 PM
8	hfgh	Dec 5, 2011 9:23 AM
9	kjhkj	Dec 5, 2011 9:14 AM

Page 1, Q3. Where can the materials you have selected in question 2 be found?

1	With the different organizations, some are uploaded on the website, some would have to be obtained as hard copies from the organizations	Dec 20, 2011 6:50 PM
2	In the above mentioned zoos, some in schools in the specific regions	Dec 20, 2011 2:55 PM
3	uShaka Sea World Education Centre, Aquarium and Mammal Departments	Dec 20, 2011 12:13 PM
4	The website of each institution, or a direct inquiry	Dec 18, 2011 3:12 AM
5	I don't know if the WWF biodiversity curriculum is still available. CEE materials are available through a wide network of facilitated workshops throughout the U.S.	Dec 16, 2011 5:59 PM
6	At the Zoo and in the education department at the Zoo.	Dec 16, 2011 9:17 AM
7	a) in the zoo beside the enclosures b) in guided tours c) on touch tabels	Dec 14, 2011 3:30 PM
8	in the zoo beside the enclosures in guided tours on touch tabels	Dec 14, 2011 12:35 PM
9	Online, for sale, at nature centers and facilities	Dec 12, 2011 4:14 PM
10	Attending Ocean Park's education programme	Dec 12, 2011 3:32 AM
11	In the Conservation Educations Department, in our Zoo.	Dec 10, 2011 7:24 PM
12	In conservation projects, during the Zoo activities with publec, with local activities with teachers and students.	Dec 9, 2011 8:52 PM
13	http://www.vzp.de/biodiversitaet.html http://www.koelnerzoo.de/zoo-artenschutz/zoo-kampagnen/biodiversitaet/materialien/	Dec 9, 2011 9:54 AM
14	Johannesburg Zoo, National Zoo, Two Oceans aquarium, uShaka marine World	Dec 9, 2011 5:32 AM
15	Our staff made these educational materials and programs for the biodiversity and I also went to see the other materials and programs at Yokohama Zoo, Yokohama City and Ueno Zoo, Tokyo, Japan.	Dec 9, 2011 4:54 AM
16	at each of the facilities	Dec 9, 2011 12:10 AM
17	Zoo de Granby virtual exhibition: www.especesmenacees.ca	Dec 8, 2011 7:35 PM
18	All CAZA accredited institutions.	Dec 8, 2011 5:37 PM
19	Pictures and material of each institution	Dec 7, 2011 6:10 PM
20	in Schoenbrunn Zoo and some of them on our homepage	Dec 6, 2011 9:26 AM
21	Contact at LPZ: Leah Melber (lmelber@lpzoo.org) Contact at Field: Beth Crownover (bcrownover@fieldmuseum.org)	Dec 5, 2011 4:54 PM
22	fghfg	Dec 5, 2011 9:23 AM
23	hjkjhj	Dec 5, 2011 9:14 AM
24	Disney's Animal Kingdom posts most of their educational materials on the IZE website www.izea.net .	Nov 28, 2011 9:46 PM

Page 1, Q3. Where can the materials you have selected in question 2 be found?

25	Many of the materials we use can be found on the IZE website. We try to post as much as possible.	Nov 28, 2011 9:12 PM
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Page 1, Q4. What educational materials are on your “wish list” of ones you’d like to have that would enhance your teaching about biodiversity?

1	Interactive exhibits, multimedia techniques, traditional and use of performing arts, local culture and indigenous knowledge	Dec 20, 2011 6:50 PM
2	Cell phone based internet activities	Dec 20, 2011 12:13 PM
3	The educational program about preservation breeding of a Tsushima leopard cat <i>Prionailurus bengalensis euptilurus</i> .	Dec 18, 2011 3:12 AM
4	Travel programs	Dec 12, 2011 4:14 PM
5	iPhone applications	Dec 9, 2011 12:10 AM
6	we have just recieved \$50K to create an ipad based app that will support students in conducting biodiversity studies, syntesize their data and send it back to teh classroom for further analysis ... this has been a key desire for some time.	Dec 5, 2011 4:54 PM
7	jkjh	Dec 5, 2011 9:14 AM
8	Disney's Animal Kingdom has just begun using lpads to connect children to our live animals in the Park. This is a great use of technology, which the children love and nature.	Nov 28, 2011 9:46 PM
9	iPads are a new technology that can link live animals in our zoos and aquariums to technology in a positive way. iPads would be a great addition to most any zoo or aquarium.	Nov 28, 2011 9:12 PM

Page 1, Q5. Do you see any gaps in zoos and aquarium biodiversity education that are pressing and urgent to fill?

1	Locale specificity of programmes Specific Programmes addressing Adults and Youth Evaluation Techniques Feedback and Monitoring	Dec 20, 2011 6:50 PM
2	Depending on the region or the zoological institution there are certainly gaps, many times due to the lack of resources.	Dec 20, 2011 2:55 PM
3	computer activities info on foodwebs, fishing/harvesting down the food chain and shifting baselines - historical images	Dec 20, 2011 12:13 PM
4	Not sure how to answer this. We incorporate these concepts all the time. We don't necessarily use "biodiversity" and not sure how much we will increase use of that term.	Dec 16, 2011 5:59 PM
5	Yes, we fail to describe our role in the web of life and that we will be affected if biodiversity declines.	Dec 16, 2011 9:17 AM
6	more networking between zoos	Dec 14, 2011 3:30 PM
7	more networking between zoos	Dec 14, 2011 12:35 PM
8	There are plenty of science centers and facilities that take youth to see backyard/native biodiversity. There are many zoological facilities that present biodiversity from other countries. However, there are few that find ways to expose youth to biodiversity outside of their immediate surroundings. Zoos need to do a better job connecting their exhibits and the opportunity for people to directly connect with those habitats and wildlife.	Dec 12, 2011 4:14 PM
9	I think that educational programs need a more targeted approach to the consequences it has for close people the loss of biodiversity, in addition to the everyday actions that can be done to help.	Dec 10, 2011 7:24 PM
10	Lack of materials and budget for this area.	Dec 9, 2011 8:52 PM
11	Regional practical workshops for Zoo educators in South Africa, access to international resources (IZE website is great) such as good quality images to use in programmes free of charge, short videos - national geographic is normally 60 minutes - too long for programmes - need good quality videos that illustrate certain aspects well in 10 - 15 minutes	Dec 9, 2011 5:32 AM
12	conveying the significance of the problem to the general, voting public	Dec 9, 2011 12:10 AM
13	We haven't been successful at drawing attention to biodiversity themed activities because people don't know what it is. More resources to define it in simple terms to families would be helpful.	Dec 8, 2011 5:37 PM
14	It is necessary to evaluate the real impact of this material, to know if it really educate people about biodiversity.	Dec 7, 2011 6:10 PM
15	I think there is great opportunity for more authentic and effective use and intergration of technology.	Dec 5, 2011 4:54 PM
16	hjkjhk	Dec 5, 2011 9:14 AM
17	Although many institutions conduct program about wildlife and wild places, few are actually evaluated. The zoo industry needs more evaluation of it's education programming to demonstrate the conservation impact of our programs.	Nov 28, 2011 9:46 PM

Page 1, Q5. Do you see any gaps in zoos and aquarium biodiversity education that are pressing and urgent to fill?

18	Although most of us do many school, visitor and members biodiversity education programming, few of us evaluate our programs and materials. This is sorely needed in order to show conservation impact (awareness and action.)	Nov 28, 2011 9:12 PM
19	a centralised collection of material (text) and pictures etc. would be good to have.	Nov 28, 2011 10:18 AM

Page 1, Q6. Please name any partnership that has a project focusing on biodiversity education between zoos and aquariums in different regions?

Name of institution in Region 1:		
1	Central Zoo Authority, INDIA	Dec 20, 2011 6:50 PM
2	WWF SA South African Sustainable Seafood Initiative	Dec 20, 2011 12:13 PM
3	We do not announce you.However, we cooperate with the Wildlife research centerofKyoto University, and are doing education and research activities.	Dec 18, 2011 3:12 AM
4	Isabela University	Dec 16, 2011 9:17 AM
5	Senckenbergmuseum	Dec 14, 2011 3:30 PM
6	SÃO PAULO CITY MUNICIPALITY - SÃO PAULO	Dec 14, 2011 2:38 PM
7	Senckenberbmuseum, Frankfurt a.M.	Dec 14, 2011 12:35 PM
8	Africam Safari Puebla	Dec 10, 2011 7:24 PM
9	CBOT Chicago Zoo	Dec 9, 2011 8:52 PM
10	Schools in our region	Dec 9, 2011 9:54 AM
11	don' know of any	Dec 9, 2011 5:32 AM
12	Tokyo University of Agriculture	Dec 9, 2011 4:54 AM
13	WCS	Dec 9, 2011 12:10 AM
14	every institutions in canadian association of zoos and aquariums (CAZA)	Dec 8, 2011 7:35 PM
15	CAZA	Dec 8, 2011 5:37 PM
16	Fundación Proyecto Tití	Dec 7, 2011 6:10 PM
17	Tiergarten Schönbrunn	Dec 6, 2011 9:26 AM
18	gfhfg	Dec 5, 2011 9:23 AM
19	jkjh	Dec 5, 2011 9:14 AM
20	Disney's Animal Kingdom - Proyecto Titi in Colombia, south America	Nov 28, 2011 9:46 PM
21	Disney's Animal Kingdom -Proyecto Titi in Colombia, South America	Nov 28, 2011 9:12 PM
Name of institution in Region 2:		
1	Ministry of Environment and Forests, Government of India	Dec 20, 2011 6:50 PM
2	SAAMBR	Dec 20, 2011 12:13 PM
4	Monte Negro Crocodile Reserv, Philippins	Dec 16, 2011 9:17 AM
5	Palmengarten	Dec 14, 2011 3:30 PM
6	ARAÇOIABA DA SERRA MUNICIP - SÃO PAULO STATE	Dec 14, 2011 2:38 PM
7	Palmengarten, Frankfurt a.M.	Dec 14, 2011 12:35 PM

Page 1, Q6. Please name any partnership that has a project focusing on biodiversity education between zoos and aquariums in different regions?

8	South América	Dec 10, 2011 7:24 PM
12	Azabu University	Dec 9, 2011 4:54 AM
13	Wildlife Reserves Singapore	Dec 9, 2011 12:10 AM
17	Nationalpark Kiskunsag	Dec 6, 2011 9:26 AM
18	fghfg	Dec 5, 2011 9:23 AM
19	hjkhj	Dec 5, 2011 9:14 AM
20	Disney's Animal Kingdom - PASA in Africa	Nov 28, 2011 9:46 PM
21	Disney's Animal Kingdom - Save the Elephants in Kenya, Africa	Nov 28, 2011 9:12 PM
Name of contacts:		
1	Mr.Bonal , Mr. Kartikeya Sarabhai	Dec 20, 2011 6:50 PM
2	Janine Basson & Jone Porter	Dec 20, 2011 12:13 PM
4	Helena Olsson	Dec 16, 2011 9:17 AM
6	MUN. SECRETARIAT OF THE ENVIRONMENT	Dec 14, 2011 2:38 PM
9	Alejandro Grajal	Dec 9, 2011 8:52 PM
12	Mr. Hiroshi OGAWA, Professor, Ph.D	Dec 9, 2011 4:54 AM
13	Breheny	Dec 9, 2011 12:10 AM
14	Greg Tarry	Dec 8, 2011 7:35 PM
15	Bill Peters	Dec 8, 2011 5:37 PM
16	Rosamira Guillén	Dec 7, 2011 6:10 PM
17	Anton Weissenbacher	Dec 6, 2011 9:26 AM
20	Dr. Anne Savage and Kathy Lehnhardt	Nov 28, 2011 9:46 PM
21	Dr. Anne Savage and Kathy Lehnhardt	Nov 28, 2011 9:12 PM
Describe partnership:		
1	Long term and short term	Dec 20, 2011 6:50 PM
2	Part of a national programme, each partner brings specific expertise and audience	Dec 20, 2011 12:13 PM
4	Zoos together with NGOs are promoting biodiversity as a way to save the endangered philippinean crocodile	Dec 16, 2011 9:17 AM
6	AGREEMENT - ATTEND SCHOOL SUDENTS AND PROFESSORS	Dec 14, 2011 2:38 PM
7	we create an educational programm (guided tours) concernig biodiversity that shows the different point of views on biodiversity in zoo, natural history	Dec 14, 2011 12:35 PM

Page 1, Q6. Please name any partnership that has a project focusing on biodiversity education between zoos and aquariums in different regions?

	museum and botanical garden	
8	Design and production of the education material about the traffic	Dec 10, 2011 7:24 PM
9	Amphibian conservation program at Santacruz Zoo Colombia	Dec 9, 2011 8:52 PM
12	The partnership between University and Zoo	Dec 9, 2011 4:54 AM
13	MOU, staff and information exchanges	Dec 9, 2011 12:10 AM
14	a unique theme every year about the Canadian biodiversity	Dec 8, 2011 7:35 PM
16	Colombian zoos support part of the educational activities the project has, specially in that concerning divulgation about their conservation activities	Dec 7, 2011 6:10 PM
17	Hungarian meadow viper Life-project (see http://www.rakosivipera.hu/en/); our part: raise awareness	Dec 6, 2011 9:26 AM
20	Proyecto Titi supports scientific and educational activities in Colombia; Pan African Sanctuary Alliance is supported by Disney to conduct community conservation projects for primates	Nov 28, 2011 9:46 PM
21	Education programs that enhance the scientific work with the species.	Nov 28, 2011 9:12 PM
How long did it run?		
1	more than 5 years	Dec 20, 2011 6:50 PM
2	ongoing since 2004	Dec 20, 2011 12:13 PM
4	5 years	Dec 16, 2011 9:17 AM
5	since 2008	Dec 14, 2011 3:30 PM
6	TWO YEARS FOR BOTH	Dec 14, 2011 2:38 PM
7	since 2008	Dec 14, 2011 12:35 PM
8	one year	Dec 10, 2011 7:24 PM
9	2 years	Dec 9, 2011 8:52 PM
10	is running	Dec 9, 2011 9:54 AM
12	One year	Dec 9, 2011 4:54 AM
13	ongoing	Dec 9, 2011 12:10 AM
15	Since 2010	Dec 8, 2011 5:37 PM
16	Like 3 years ago, until today	Dec 7, 2011 6:10 PM
17	since 2009	Dec 6, 2011 9:26 AM
20	Proyecto Titi has been running for 10 years; PASA and Disney for 7 years	Nov 28, 2011 9:46 PM
21	Proyecto Titi has been in existence for 10 years; Save the Elephants is a new project for about 6 months	Nov 28, 2011 9:12 PM

Page 2, Q8. What was measured?

1	You must ask to CAZA for more information	Dec 8, 2011 7:36 PM
2	N/A	Dec 5, 2011 4:54 PM

Page 2, Q9. Please provide details on the evaluation results (publications, website or other sources)

1	www.cceindia.org www.cza.nic.in	Dec 20, 2011 6:51 PM
2	www.wwf.org.za/sassi jbasson@wwf.org.za	Dec 20, 2011 12:16 PM
3	http://www.cvpd.org/croc_achievements.php	Dec 16, 2011 9:18 AM
4	More than 100 children improve they knowledge about their local amphibians, 10 teachers include lessons around amphibian conservation, 4 species identified in the region one of them endangered.	Dec 9, 2011 8:54 PM
5	You must ask to CAZA for more information	Dec 8, 2011 7:36 PM
6	I don't have enough information on this.	Dec 8, 2011 5:38 PM
7	N/A	Dec 5, 2011 4:54 PM
8	One of the PASA projects won the AZA Education Award in 2008. The proposal is available from Kathy Lehnhardt. Proyecto Titi education evaluation is available from Dr. Anne Savage.	Nov 28, 2011 9:49 PM

Page 3, Q11. Please name the ones you know.

Name of institution:		
1	Assam State Zoo cum Botanical Garden, INDIA	Dec 20, 2011 6:58 PM
2	Budapest Zoo	Dec 20, 2011 2:58 PM
3	Johannesburg Zoo	Dec 20, 2011 12:18 PM
4	ACOPAZOA	Dec 19, 2011 2:33 PM
5	Parken Zoo	Dec 16, 2011 9:19 AM
6	FUNDAÇÃO PARQUE ZOOLOGÍO DE SÃO PAULO, BELO HORIZONTE ZOO, BRASILIA ZOO	Dec 14, 2011 2:44 PM
7	International Conservation Program of Saguinus leucopus, Colombia	Dec 9, 2011 8:56 PM
8	Cologne Zoo	Dec 9, 2011 9:58 AM
9	Tokyo Sealife Park	Dec 9, 2011 5:01 AM
10	Assiniboine Zoo is doing a polar bear project	Dec 8, 2011 5:40 PM
11	Zoológico de Cali	Dec 7, 2011 6:12 PM
12	Zoo Leipzig	Nov 28, 2011 10:23 AM
Name of contact:		
1	Dr. Mohanta	Dec 20, 2011 6:58 PM
2	Endre Sós, DVM	Dec 20, 2011 2:58 PM
3	Louise Matschke	Dec 20, 2011 12:18 PM
4	CAROLINA FALLA	Dec 19, 2011 2:33 PM
5	Helena Olsson	Dec 16, 2011 9:19 AM
6	AS BEFORE	Dec 14, 2011 2:44 PM
7	Carolina Falla	Dec 9, 2011 8:56 PM
8	Ruth Dieckmann	Dec 9, 2011 9:58 AM
9	Mr. Kazuhiro Sakamoto	Dec 9, 2011 5:01 AM
10	Don't know	Dec 8, 2011 5:40 PM
11	Igino Mercury	Dec 7, 2011 6:12 PM
12	Robert Liebecke	Nov 28, 2011 10:23 AM
Name of institution implementing the conservation project:		
1	The Zoo itself	Dec 20, 2011 6:58 PM
2	Birdlife Hungary	Dec 20, 2011 2:58 PM

Page 3, Q11. Please name the ones you know.

3	Johannesburg Zoo	Dec 20, 2011 12:18 PM
4	ZOOS AND AQUARIUM COLOMBIA	Dec 19, 2011 2:33 PM
5	Durrell Organisation	Dec 16, 2011 9:19 AM
7	5 Colombian Zoos	Dec 9, 2011 8:56 PM
8	Cologne Zoo	Dec 9, 2011 9:58 AM
9	Tama Zoological Park	Dec 9, 2011 5:01 AM
10	WWF	Dec 8, 2011 5:40 PM
11	Zoológico de Cali	Dec 7, 2011 6:12 PM
Name of conservation project contact:		
1	Flora and Faunal Biodiversity and Consrevation	Dec 20, 2011 6:58 PM
2	Balint Halpern	Dec 20, 2011 2:58 PM
5	Jamie Copsey	Dec 16, 2011 9:19 AM
6	AS BEFORE FOR THE INSTITUTIONS MENTIONED	Dec 14, 2011 2:44 PM
7	Carolina Falla	Dec 9, 2011 8:56 PM
8	Conservation project in Vietnam (Phong Nha-Ke Bang)	Dec 9, 2011 9:58 AM
9	Orang Utan conservation project	Dec 9, 2011 5:01 AM
10	Don't know	Dec 8, 2011 5:40 PM
11	Carlos Andrés Galvis	Dec 7, 2011 6:12 PM

Page 3, Q13. Any additional comments / ideas?

1	Marketing and Benchmarking of Educational Programmes needs to be looked into Fund raising and self sufficiency Creating a cadre of Zoo Educators', Volunteers, and Youth Green Brigade Green Zoo and addressing Sustainability issues in Zoos Mechanism of Accreditation of Zoos and their Programmes	Dec 20, 2011 6:58 PM
2	We get and use educational teaching materials from JAZA. Moreover, it is working by collaborating with some NPOs. However, it cannot be working with the institution of other region.	Dec 18, 2011 3:14 AM
3	Our zoo and aquaria community should more contact each other and make progress on the consevation of Biodiversity.	Dec 9, 2011 5:01 AM
4	We produced a brochure in German language about our conservation projects and have included a definition of biodiversity, as well have we used the decade of biodiversity logo. Included are recommendations for sustainable behaviour/consumption.	Nov 28, 2011 10:23 AM

Page 3, Q14. Please fill in your name, email adress and institution

Name:		
1	Meena Nareshwar	Dec 20, 2011 6:58 PM
2	Endre Sós, DVM	Dec 20, 2011 2:58 PM
3	Jone Porter	Dec 20, 2011 12:18 PM
4	SANDRA MILENA CORREA MONTOYA	Dec 19, 2011 2:33 PM
5	Seitaro Wada	Dec 18, 2011 3:14 AM
6	Tara Schultz	Dec 16, 2011 5:59 PM
7	Helena Olsson	Dec 16, 2011 9:19 AM
8	JOAO BATISTA DA CRUZ	Dec 14, 2011 2:44 PM
9	Martina Weiser	Dec 14, 2011 12:35 PM
10	Bill Street	Dec 12, 2011 4:15 PM
11	Isabel Li	Dec 12, 2011 3:33 AM
12	Carmen T. Linares A.	Dec 10, 2011 7:26 PM
13	Sandra Gomez	Dec 9, 2011 8:56 PM
14	Connie Kassner	Dec 9, 2011 3:58 PM
15	Ruth Dieckmann	Dec 9, 2011 9:58 AM
16	Louise Gordon	Dec 9, 2011 5:33 AM
17	Hiroyuki TAKAHASHI	Dec 9, 2011 5:01 AM
18	Jim Breheny	Dec 9, 2011 12:12 AM
19	Patrick Paré	Dec 8, 2011 7:37 PM
20	Barbara Lafresnaye	Dec 8, 2011 5:40 PM
21	Catalina Rodríguez Álvarez	Dec 7, 2011 6:12 PM
22	Hanno Fuernwein	Dec 6, 2011 9:27 AM
23	Leah Melber	Dec 5, 2011 4:55 PM
24	Kathy Lehnhardt	Nov 28, 2011 9:49 PM
25	Robert Liebecke	Nov 28, 2011 10:23 AM
Email adress:		
1	meena.nareshwar@ceeindia.org	Dec 20, 2011 6:58 PM
2	drsos@zoobudapest.com	Dec 20, 2011 2:58 PM
3	jporter@seaworld.org.za	Dec 20, 2011 12:18 PM

Page 3, Q14. Please fill in your name, email adress and institution

4	sandraeduzoo@yahoo.com	Dec 19, 2011 2:33 PM
5	wadcf824@city.kyoto.jp	Dec 18, 2011 3:14 AM
6	tschultz@txstateaq.org	Dec 16, 2011 5:59 PM
7	helena.olsson@parkenzoo.se	Dec 16, 2011 9:19 AM
8	jbcruz@sp.gov.br	Dec 14, 2011 2:44 PM
9	martina.weiser@stadt-frankfurt.de	Dec 14, 2011 12:35 PM
10	william.street@buschgardens.com	Dec 12, 2011 4:15 PM
11	isabel.li@oceanpark.com.hk	Dec 12, 2011 3:33 AM
12	clinares@africamsafari.com.mx	Dec 10, 2011 7:26 PM
13	sgomez@zoosantacruz.org	Dec 9, 2011 8:56 PM
14	conniek@ci.waco.tx.us	Dec 9, 2011 3:58 PM
15	dieckmann@koelnerzoo.de	Dec 9, 2011 9:58 AM
16	louise@jhbzoo.org.za	Dec 9, 2011 5:33 AM
17	htakahashi.czp@gmail.com	Dec 9, 2011 5:01 AM
18	jbreheny@wcs.org	Dec 9, 2011 12:12 AM
19	ppare@zoodegranby.com	Dec 8, 2011 7:37 PM
20	blafresnaye@gvzoo.com	Dec 8, 2011 5:40 PM
21	crodriguez@parquejaimeeduque.com	Dec 7, 2011 6:12 PM
22	h.fuernwein@zoovienna.at	Dec 6, 2011 9:27 AM
23	lmelber@lpzoo.org	Dec 5, 2011 4:55 PM
24	kathy.lehnhardt@disney.com	Nov 28, 2011 9:49 PM
25	rlichebecke@zoo-leipzig.de	Nov 28, 2011 10:23 AM
Institution:		
1	Centre for Environment Education, INDIA	Dec 20, 2011 6:58 PM
2	Budapest Zoo and Botanical Garden	Dec 20, 2011 2:58 PM
3	SAAMBR	Dec 20, 2011 12:18 PM
4	Zoologico Matecaña de Pereira	Dec 19, 2011 2:33 PM
5	Kyoto City Zoo	Dec 18, 2011 3:14 AM
6	Texas State Aquarium	Dec 16, 2011 5:59 PM
7	Parken Zoo, Eskilstuna, Sweden	Dec 16, 2011 9:19 AM

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8	SÃO PAULO ZOO	Dec 14, 2011 2:44 PM
9	Zoo Frankfurt a.M.	Dec 14, 2011 12:35 PM
10	SeaWorld Parks and Entertainment	Dec 12, 2011 4:15 PM
11	Ocean Park	Dec 12, 2011 3:33 AM
12	Africam Safari Puebla	Dec 10, 2011 7:26 PM
13	Santacruz Zoological Foundation	Dec 9, 2011 8:56 PM
14	Cameron park Zoo	Dec 9, 2011 3:58 PM
15	Cologne Zoo	Dec 9, 2011 9:58 AM
16	Johanneburg Zoo	Dec 9, 2011 5:33 AM
17	Chiba Zoological Park, JAPAN	Dec 9, 2011 5:01 AM
18	Bronx Zoo/WCS	Dec 9, 2011 12:12 AM
19	Zoo de Granby	Dec 8, 2011 7:37 PM
20	Greater Vancouver Zoo	Dec 8, 2011 5:40 PM
21	Zoológico Jaime Duque	Dec 7, 2011 6:12 PM
22	Schoenbrunner Tiergarten GmbH	Dec 6, 2011 9:27 AM
23	Lincoln Park Zoo	Dec 5, 2011 4:55 PM
24	Disney's Animal Kingdom	Nov 28, 2011 9:49 PM
25	Zoo Leipzig, Germany	Nov 28, 2011 10:23 AM