

**Year Cycle
of trilateral
cooperation**
- *Main Schedule*

Autumn meeting for the
Advisory Board

(September)

Report from the Action plan working group

Report on the year's actions
(eg 2010)

2) Priorities, implementation
(How/Action Plan) for next
year (eg 2011)

Annual Meeting of the Advisory Board
Inari, Finland, 24th August 2016

Winter meeting in "Action
Working Group"

(February)

Spring/summer:
Carry out actions

(April – August)

Field work
Office work

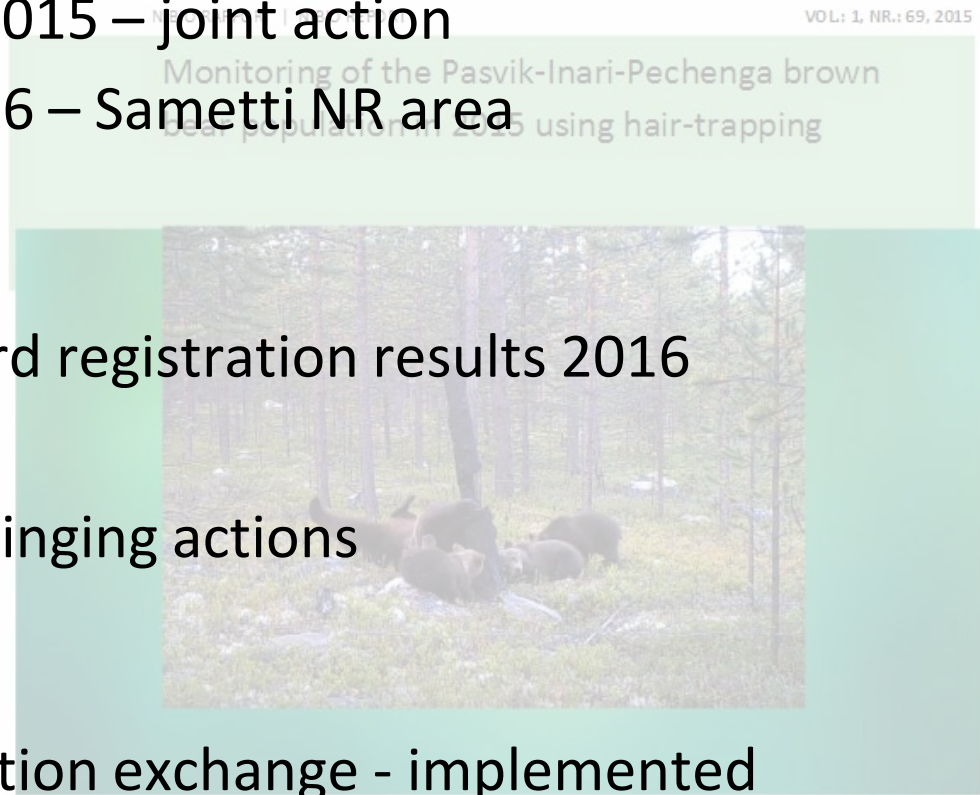
1-3 of the
actions to actually
be done this year (2011)*
these actions;

How/when/who/financing

* Additional
unilateral
actions
could be
added freely
by each
country

5a. Monitoring activities

- Brown Bear
 - Short review of results 2015 – joint action
 - Norwegian action in 2016 – Sametti NR area
- Birds
 - Review of joint water bird registration results 2016
 - Golden Eagle
 - Information about bird ringing actions
- Other issues
 - Peppered moth information exchange - implemented
 - Visitors



Siv Grethe Aarnes¹, Alexander Kopatz¹, Hans Geir Eiken¹, Julia Schregel¹, Paul E. Aspholm², Tuomo Ollila², Olga Makarova³, Natalia Polikarpova³, Vladimir Chizhov³, Sergey Ogurtsov³ and Snorre B. Hagen¹

¹ NIBIO – Norwegian Institute of Bioeconomy Research, Svanhovd, Svanvik, Norway

² Metsähallitus, Rovaniemi, Finland

³ Pasvik Strict Nature Reserve, Rajakoski, Russia

Monitoring of the Pasvik-Inari-Pechenga brown bear population in 2015 using hair-trapping

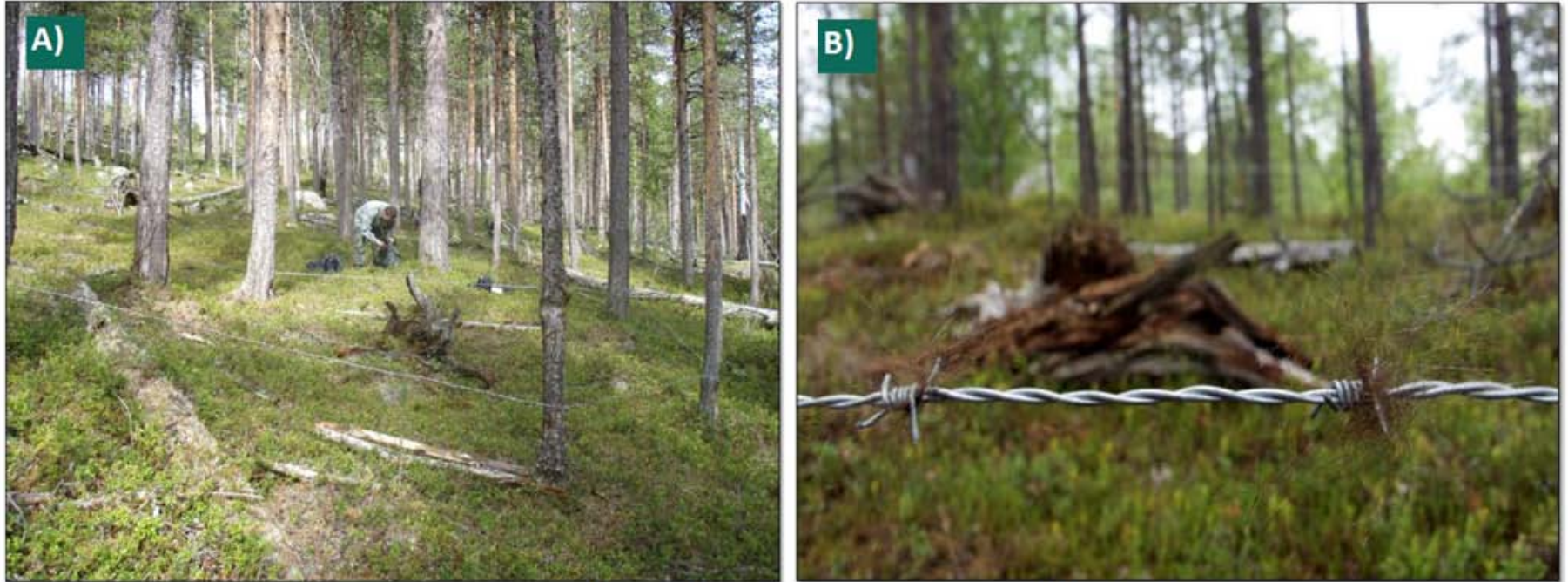
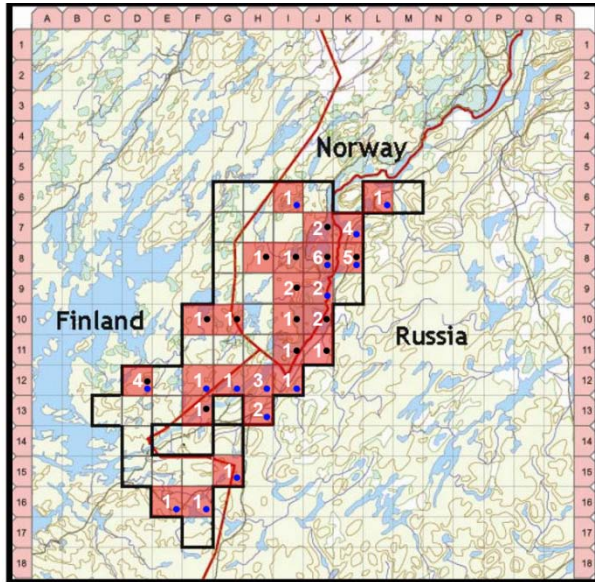


Figure 2: A) A typical hair snare with scent lure in the center ringed by a single barbed wire strung between trees at 40-50 cm from the ground. B) Hairsample on a wire. Photos: Sari Magga (left), Alexander Kopatz (right).

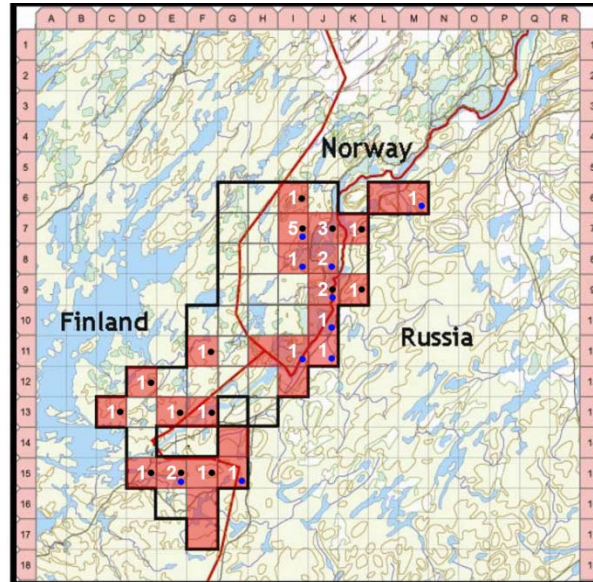
Monitoring of the Pasvik-Inari-Pechenga brown bear population in 2015 using hair-trapping

2007



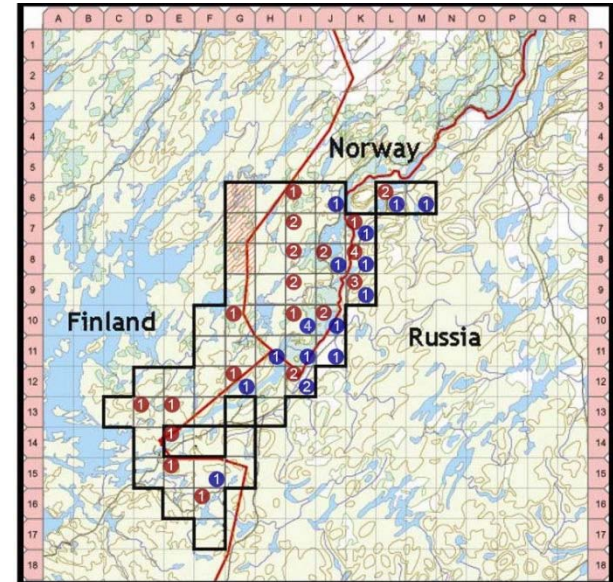
196 samples collected
 26 of 56 grids showed activity
24 bears identified
 (10 females, 14 males)
11 new identified, **13** known

2011



88 samples collected
 27 of 56 grids showed activity
20 bears identified
 (12 females, 8 males)
4 new identified, **16** known

2015



209 samples collected
 25 of 56 grids showed activity
26 bears identified
 (17 females, 9 males)
13 new identified, **13** known

Remote wildlife cameras

No harm to wildlife was documented or observed



All footage from 2015 has been compiled and can be viewed here:

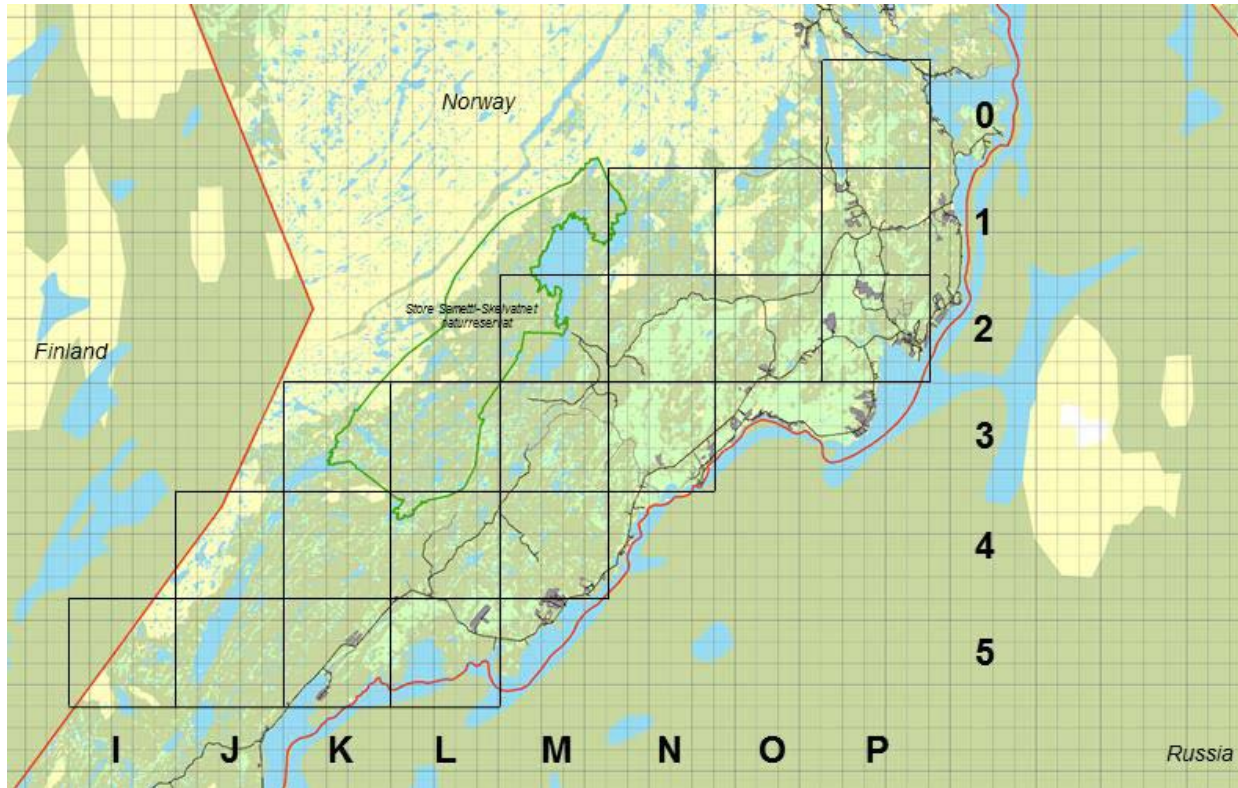
<http://vimeo.com/144482693>

Monitoring of the Pasvik-Inari-Pechenga brown bear population in 2015 using hair-trapping

Conclusions

- Hair-traps have shown their power in detecting bear abundance and individuals
- Compared to 2007 and 2011, the total number of identified individuals in 2015 increased, respectively with 3 and 7 individuals
- Seven (35%) individuals, detected in 2011, were recaptured in 2015. Four (16.7%) bears, detected in 2007, were recaptured in 2015
- Two individuals were detected in two countries, and one individual were detected in grids in all three countries
- The higher number of samples and detected brown bears in 2015 may be caused by more bear activity within the study area, compared to 2007 and 2011
- A total of 13 new bears were identified in 2015 as compared to 4 in 2011
- Hair-trapping can lead to a substantial increase in the number of detected bears in the area
- As is previous studies, no harm to wildlife was documented or observed.
- Sample collection during summer period
- ***Unique, prestigious pioneer project and study – in management and research***

Brown bears in Sametti - NO



Project on Norwegian side in 2016 - funded by FMFI and implemented by NIBIO
Trilateral hair snagging system - 2 months field work
Results - 73 hair samples
For DNA analysis - own funding is needed
Results and report will be shared when finalised

Results from joint waterfowl registration

Spring time 2016:

- 26th of May = 680 birds, 29 species (altogether)
- 02nd of June = 516 birds, 26 species

Autumn time 2016:

- 26th of August, together with Finnish side
- 02th of September

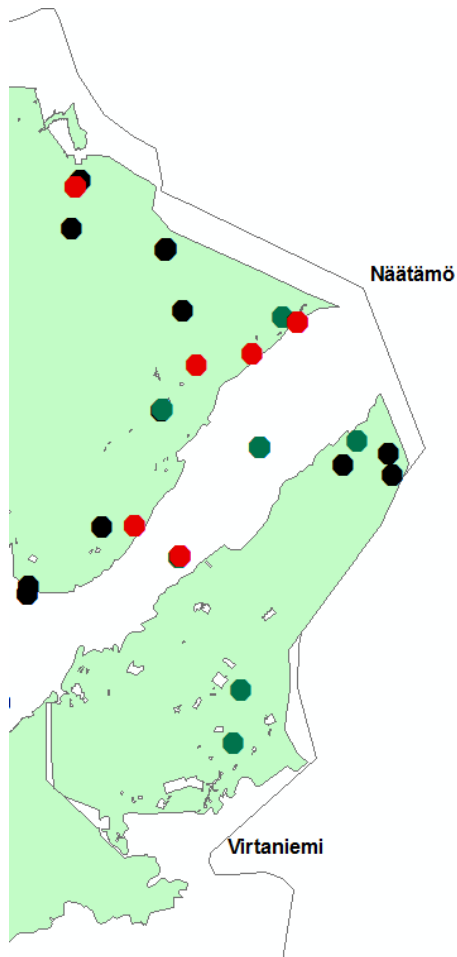
Common database MS Excel



Golden eagle

- Norway 2016 - mapping of golden eagle in East-Finnmark (NINA project, FMFI funding)
 - Results from mapping will be shared when finalised
- Finland 2016 – see next slide

The Golden Eagle in the Eastern Inari



- Red "successful breeding"
- Green "occupied"
- Black "unoccupied"

Bird ringing actions

- Norway
 - Week 28 (mid July) mapping of wader birds in Gjøkåsen area
 - Period 8.–20.9. bird ringing in PNR + meet a researcher for local schools and general public
- Russia
 - June 2016 – start with Passeriformes group, continuing 15.08-end of September 2016
 - Catching few birds ringing by Norwegian side in 2016 (!), report for Russian Ringing Centre (Moscow)
 - Serial reportages on Murmansk TV and web-pages, plans – popular article in “Pasvik Times”, exchange of reports
- Finland
 - local branch of Association of Nature Conservation in Finland does bird ringing in Ivalo from mid-July onwards -> trilateral delivery of results



Ringling the birds on Varlam Island, June 2016



Pasvik Bird Survey 2016



- Gjøkmyra, Tommamyra and Nilamyra, 9th-13th July
- Arctic waders as focus
- Unusual weather conditions - meltwater and rain - flooding of nests
- 1 km line transects - walking and recording of all seen and heard birds

Results

- fewer birds than expected - maybe to late date and most waders had finalised breeding
- high water level
- Full bird list and breeding confirmations - in report

Action partly funded by FMFI and implemented by Biotope AS and partners BTO (British Trust for Ornithology)

Nesting help for a red listed bird

Fra krigens gru til fødestue for truet fugleart



Restoransen av et forsvarets flyskoleområde i PNR (NO) er i gang. Det betyr at det er mulig å bygge nye og bedre nestesteder for den truede fuglearten.

Storingsprosjektet

Det er et samarbeid mellom Forsvaret og Naturvernforbundet i Norge. Prosjektet skal sikre at det er mulig å bygge nye og bedre nestesteder for den truede fuglearten.

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Temporary nesting platform in PNR (NO) for Arctic tern Pilot for 3 years

Trilateral Visitor Monitoring

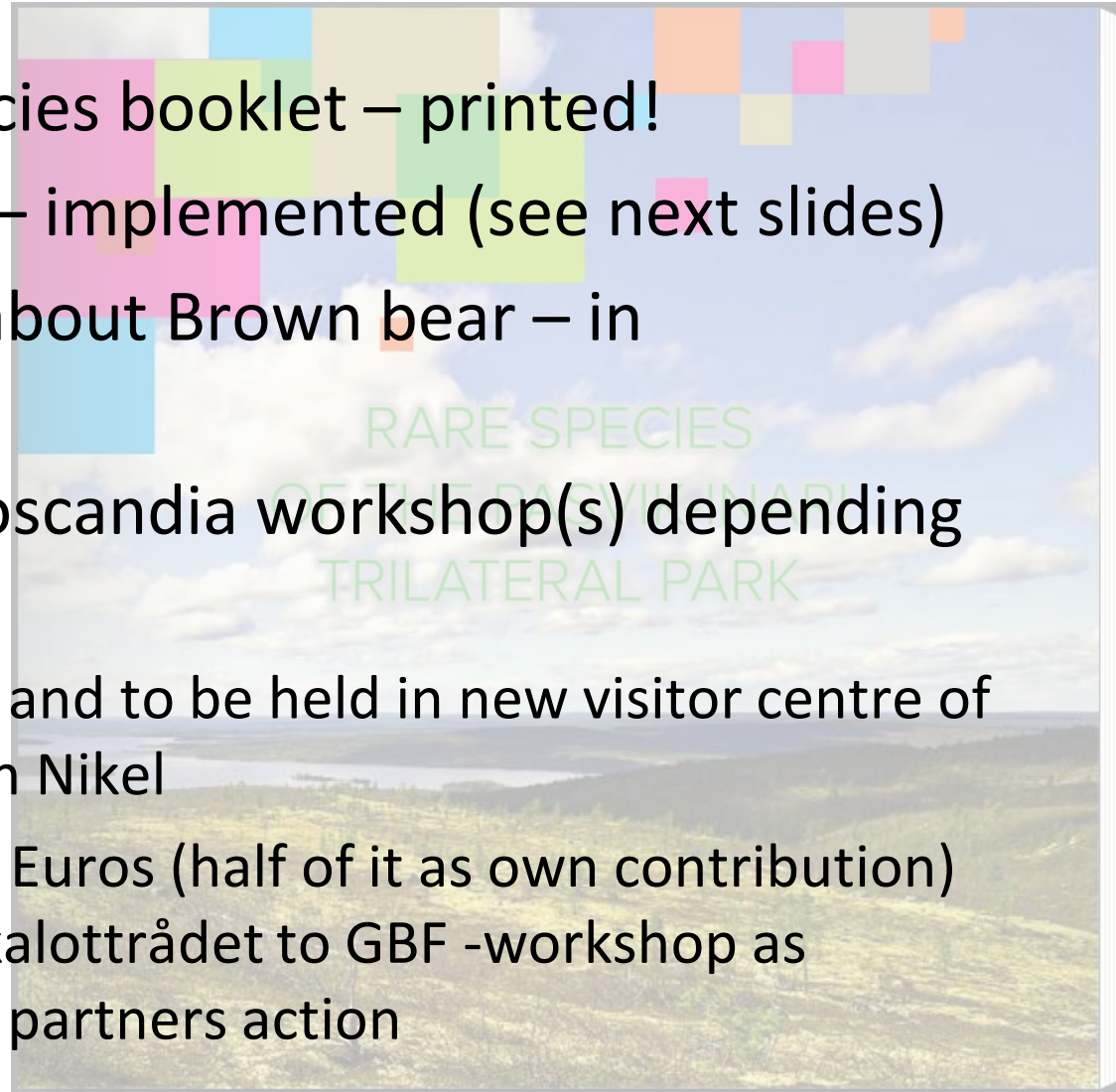
Core area	Area / Sight	Country	Way of measuring	2014	2015
Pasvik zapovednik	NPA	RUS	counting (permits for entrance)	895	580
Øvre-Pasvik NP	NPA	NOR	estimate, *counter	c. 1500	1956*
Pasvik NR	NPA	NOR	estimate	c. 500	c. 500
Øvre-Pasvik LPA	NPA	NOR	estimate	c. 1500	> 1500
Vätsäri wilderness area	NPA	FIN	estimate	7 000	7 000
Together NPAs				c. 11 395	c. 11 536
Rajakoski nature school	Visitor centre	RUS	counting	580	370
Svanhovd info centre, NIBIO	Visitor centre	NOR	counter	6 950	8 961
Sámi museum and nature centre Siida	Visitor centre	FIN	counter	98 470	113 474
Together centres				106 000	122 805
Piilola hiking trail	Sight	NOR-FIN	counter	381	160



Photos: Gunnar Reinholdtsen; Riina Tervo, Metsähallitus

5b. Enlightenment actions

- Joint Red listed species booklet – printed!
- Bird trips for locals – implemented (see next slides)
- Joint info material about Brown bear – in preparation...
- Green Belt of Fennoscandia workshop(s) depending on themes
 - postponed to 2017 and to be held in new visitor centre of Pasvik zapovednik in Nikel
 - additionally 13 000 Euros (half of it as own contribution) funding from Nordkalotträdet to GBF -workshop as Metsähallitus's and partners action



Bird trips for locals 2016



Bird observations in June 2016					in Pasvik-Inari Trilateral Park cooperation				
					x=species has been seen but not counted				
	Place and date of observation	Participants	Amount of bird species observed	Number of individual birds					
FINLAND	Inari-Tankavaara-Sompiojärvi, June 5th	19	35	75					
NORWAY	Nyrud-Noatun, June 3rd	11	45	394					
RUSSIA	Rajakoski, Nikel and Varlam Island, June 1st, 3rd and 5th	26	31	378					
					x=species has been seen but not counted				
Latin name	in English	Suomeksi	Observation Suomi / Finland	På norsk	Observation Norge / Norway	In Russian/но русский	Россия / Russia	in Northern Sámi	in Inari Sámi
<i>Gavia stellata</i>	Red-throated Diver	Kaakkuri		Smålom	4	Краснозобая гагара	2	Gáhkor	káhtee, kakkárás
<i>Gavia arctica</i>	Black-throated Diver	Kuikka		Storlom		Чернозобая гагара	4	Dovtta	tuhtuu
<i>Phalacrocorax carbo</i>	Great Cormorant	Merimetsä		Storskär		Большой баклан			skarfá
<i>Cygnus cygnus</i>	Whooper Swan	Laulujoutsen	1	Sangsvane	52	Лебедь-кликун	6	Njukča	njuhčá
<i>Anser fabalis</i>	Bean Goose	Metsähanihi		Sædgås		Гуменник	23	Cuonjá	čuánjá, čuáná
<i>Anas platyrhynchos</i>	Mallard	Heinäisorsa		Stokkand	28	Кряква			tuársu
<i>Anas strepera</i>	Gadwall	Harmaasorsa		Snadderand		Серая утка	2		ránisvuánjás
<i>Anas clypeata</i>	Northern Shoveler	Lapasorsa		Skjeand	2	Широконоска			kubdánjurvuonjás
<i>Anas penelope</i>	Wigeon	Haapana	1	Brunnakk	23	Свиязь	2	Snártai	snaartái
<i>Anas crecca</i>	Teal	Tavi	2	Krikkand	26	Черок-свиустюк		Ciksa	čikšá
<i>Anas querquedula</i>	Garganey	Heinätavi		Knekkand		Черок-трескунок			syveinčášká
<i>Anas acuta</i>	Northern Pintail	Jouhisorsa	2	Stjertand	2	Шилохвость		Vuojaš	vuonjás
<i>Aythya marila</i>	Grater Scaup	Lapasotka		Bergand		Морская чернеть			stuorráviettuu
<i>Aythya fuligula</i>	Tufted Duck	Tukkasotka	4	Toppand	34	Хохлатая чернеть	4		uccáviettu
<i>Melanitta nigra</i>	Black Scoter	Mustalintu		Svartand		Синьга		Njurggu	njurgoi
<i>Melanitta fusca</i>	Velvet Scoter	Pikkasipi		Sjæorre		Турпан		Skoarra	kuuhás
<i>Clangula hyemalis</i>	Long-tailed Duck	Alli		Havelle		Морячка		Hangjá	ánjáh
<i>Bucephala clangula</i>	Goldeneye	Teikka	2	Kvinand	16	Гоголь обыкновенный	19	Coadgi	čuádgi, ruánučuádgi
<i>Mergus albellus</i>	Smew	Uivelo		Lappfiskand	29	Луток		Gárggogoalsi	njunjáláh
<i>Mergus serrator</i>	Red-breasted Merganser	Tukkakoskelo	3	Siland	8	Длинноносый крохаль	3	Vuoktagoalsi	kuátsi, vuoptuáivkuátsi, koskuátsi
<i>Mergus merganser</i>	Goosander	Isokoskelo		Laksand	2	Большой крохаль	1	Gussagoalsi	kuusságuátsi
<i>Haliaeetus albicilla</i>	White-tailed Eagle	Menkotka	1	Havern		Орлан-белохвост			merákuátsim
<i>Pandion haliaetus</i>	Osprey	Sääksi		Fiskeørn		Скопа		Ciekčá	čiehčá
<i>Grus grus</i>	Crane	Kurki		Trane	4	Серый журавль		Guorna	kuŕgá
<i>Haematopus ostralegus</i>	Oystercatcher	Meriharakka		Tjeld		Кулик-сорока	1		merákuáivváská
<i>Charadrius hiaticula</i>	Ringed Plover	Tylli		Sandlo	3	Глушчич		Buvvedat	puvávuvváš
<i>Pluvialis apricaria</i>	Golden Plover	Kapustarinta		Heilo		Золотистая ржанка		Bižus	piiččus
<i>Arenaria interpres</i>	Ruddy Turnstone	Karikukko		Steinvender		Камешарка			kárgulodde
<i>Calcidris alpina</i>	Dunlin	Suosirri		Myrsnipe		Чернозобик			čápisčuáivjirree
<i>Calcidris temminckii</i>	Temminck's Stint	Lapinsirri	1	Temmincksnipe		Белохвостый песочник		Guolbbavroš	uccáčevžuš



Birdwatching on Varlam Isle and participation in ringing





New equipment of Pasvik zapovednik



5c. Dissemination of information

Communication and visibility plan - in prep.

- Identifying
 - best practices in three countries
 - how to improve in general
 - new possibilities f. ex. events and permanent exhibitions in nature and visitor centres
- Summarizing
 - target groups and messages
 - means and methods
- Agreeing
 - on implementation
 - on follow-up and updating

Question to the members of the advisory board: how can we communicate better towards your organisation and between our organisations?



5c. Dissemination of information

Kesäkuukausi 20.7.2016

- Results from brown bear monitoring
 - EU's platform on Coexistence between people and large carnivores and Natura 2000 award -application - in preparation
- Presentations and articles
 - Trilateral nature protection cooperation along GBF in Habitat Contact Forum, in Petrozavodsk (RU), October 2015
 - Monitoring and managing brown bears and visitors in TransParcNet in Bad Schandau (DE), June 2016
 - Best practices from Pasvik-Inari cooperation in plenary session of 9th Pan-European Green Belt Conference in Koli (FI), November 2016
 - Bird trips in Finnish local newspaper, July 2016
- Webpages
 - Updated news about trilateral bird trips and bears on Pasvik-Inari internal website
 - Panorama-solutions: 4 best practice -cases from P-I TP for transboundary cooperation
 - News about Pasvik-Inari cooperation to be published on BPAN-website and EUROPARC's newsletter, by the end of the year 2016

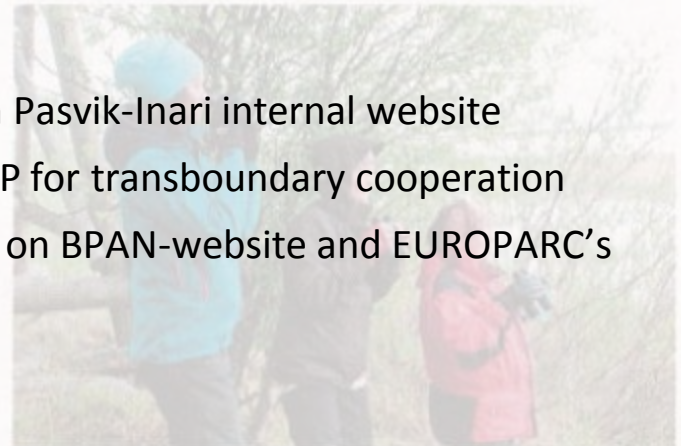
Norja kiri voittoon leikkimielisessä
littujen bongauskisassa

ussan puolella, ja päivän aika-
na koettiin lähes kaikki mahdol-
liset säätyypit auringonpaistes-
ta räntäsateeseen – mutta lintuja
tarkkailtiin iloisin mielin. Ret-
kän lopuksi etsimään edellisenä
päivänä Saariselällä Luttojo-
n rannalla haettiin kymmeniä
tatarakkia. Laji on näille kuumil-
le harvinainen, ja toiveikkaista
etsinnöistä huolimatta sen näke-
mistä ei onnistuttu. Vuonna 1972 Yhdistyneiden
kansainvälisten luonnonsuojeluyhdistysten
listä, rajat ylittävää Pasvik-Inari
suojelualueen tavoitteena on nostaa esiin ympäris-
tössämme tapahtuvia muutok-
sia. Yksi ilmiöistä, johon huo-
miota halutaan kiinnittää, on il-
mastomuutos. Se vaikuttaa eri-
tyisesti kehitysmaissa ja arkti-
sissa alueissa. Ilmastomuutoksen
neminen muuttaa paitsi kasvi-
kasvustoa, myös eläimistöä ja
loma mahdollisuuksia.

Kirsi Ukkonen,
Metsähallitus



Suomessa lintubongausretki tehtiin Sompiojärvelle.



Virtavästäräkin bongaminen jäi haaveeksi.

in-2016/
Suomessa retki suuntautui
Inarista Sompiojärvelle ja Tan-
kavaaraan. Retkipäivän lämpö-
tila pysytteli muutaman asteen



Information about Pasvik-Inari Trilateral Park and common monitoring for local people, Nickel library, April 2016

5d. EUROPARC cooperation

Cross-border visitor websurvey 2017

- Questionnaire
 - in four languages, 12 questions and open-feedback
 - delivered in paper, through qr-code and as e-mail in visitor centres, in the NPA's and in the tourism companies
- Outcomes
 - Basic information of the visitors: age, gender, alone/in a group, place/country of origin
 - Main reasons for the visit, spending, influence on health and well being
 - Estimate on usage of money in the area in correspondence to length of the stay → effect on local economy (Finland)
 - Disseminating information about Pasvik-Inari Trilateral Park



5d. EUROPARC cooperation

- Follow up from verification...
 - Database about hunting in three countries – in preparation / inc. list of hunted species and their hunting times, nr of sold licenses, catch and information about regulations
- Expectations and potential for a common transboundary parks -project coming up
 - Interreg, coordination from Fertö Hanság NP (HU)
 - What is the feeling and attitude in Pasvik-Inari cooperation towards this - positive, negative, neutral? Do we participate?
- TransParcNet, in Saxon Bohemian Switzerland (DE/CZ) 7.–10.6.2016
 - 4 PA's - 2 countries - 1 landscape, millions of visitors, intensive cooperation with tourism businesses and public transportation
 - Next year in Julian Alps Transboundary Ecoregion (IT/SI) 6.–9.6.2017

TransParcNet 2016



Pasvik Inari
Trilateral Park

Monitoring and managing
Brown Bears and Visitors...

TransParcNet Meeting 2016
Work shop 1 - 9 th June

Riina Tervo - Parks and Wildlife, Finland
Tiia Kalske - County Governor of Finnmark, Norway
Natalia Polikarpova - Pasvik Zapovednik, Russia



New targets for 2017

- Annual activities in monitoring and enlightenment
- Updating Pasvik-Inari action plan – incl. reporting status/results on the 51 current actions
- Start preparation for EUROPARC re-certification in 2018 – incl. implement/follow up of the given recommendation: PZ buffer zone, hunting database/information, visitors surveys and web updating, paying the joint re-verification fee of 2 000 Euros and filling-up the application in the end of 2017
- Planning new KOLARCTIC CBC projects
 - ANNET - Arctic network of nature education and tourism, led by Metsähallitus
 - networking nature centres, building permanent exhibitions, creating new services with small and medium sized enterprizes...
 - TransConnect, led by Finnish Environment Institute
 - connectivity of existing NPA's and inventory of valuable areas, monitoring of wolverine and palsa-mires...



Plan of action for nature education and sustainable nature tourism in the Inari-Pasvik area
EU Interreg III A North Kolarectic neighbourhood programme
(This programme is financed by the European Union)

Action Plan for Nature Protection and Sustainable Nature Tourism in Pasvik-Inari Area



Kolarctic CBC
Kolarctic Centre of Biodiversity Conservation

TransConnect
Transboundary Connectivity of Nature





Takk! Kiitos! Giitu! Спасибо! Thank You!