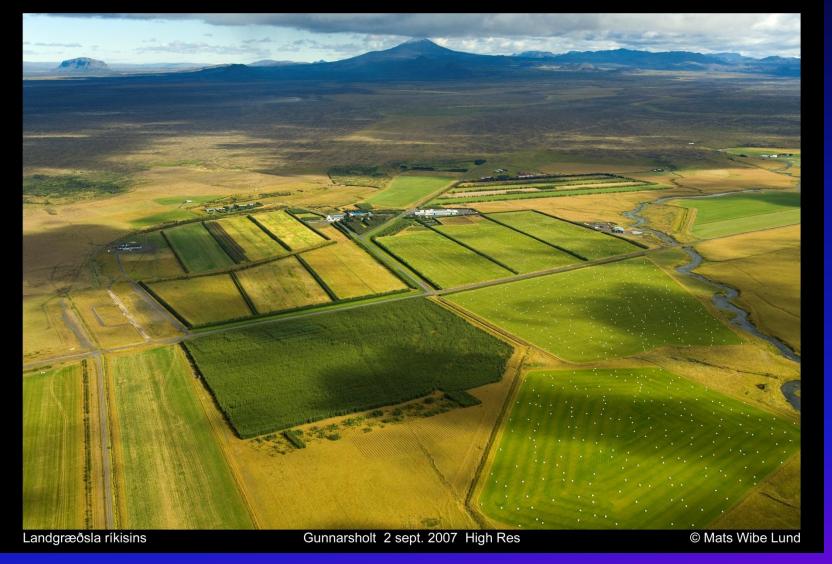
Gunnarsholt and Beyond

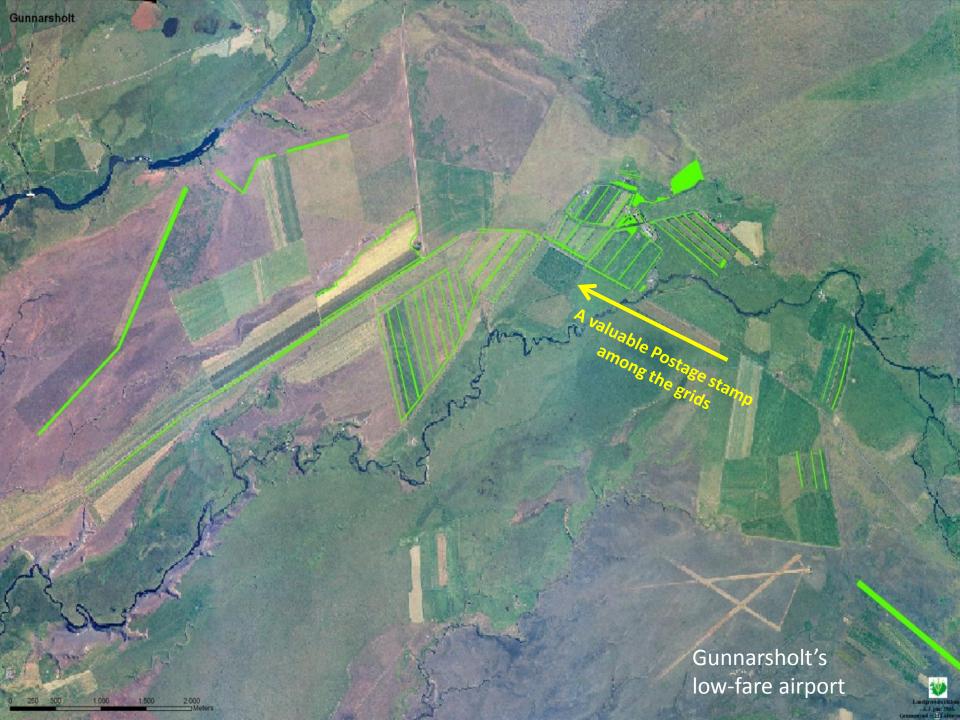


A wee glimpse of Alexander Robertson's extension work in Iceland emanating from the Gunnarsholt Experimental Project



The 14 ha Gunnarsholt Experimental Plantation, originally designed for studying energy fluxes and later for a wide range of studies by about 45 graduate students, academics and scientists with a broad range of interests.

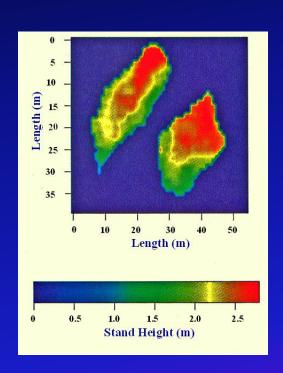
The Gunnarsholt Experimental Plantation provided the impetus for what follows

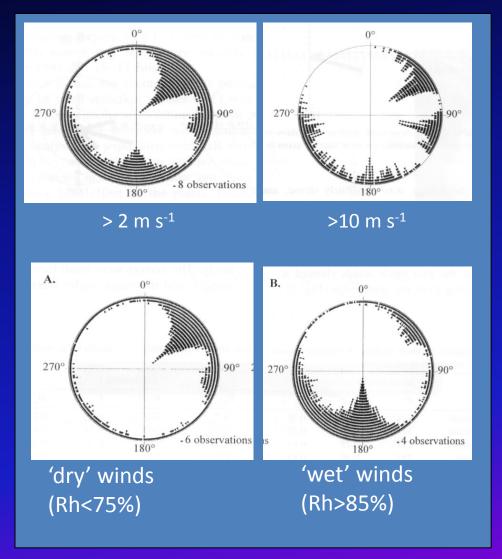


A testimony to those remarkable 'Key Kids' from Akranes – known for their insatiable passion for corn flakes; and stubborn thinnings that refused to die



Madly off in all Directions





Circular statistical analysis of birch colonization and the directional growth response of birch and black cottonwood in south Iceland

25 years of Storhofði's Wind Data If only all weather stations would be so obliging!

BASIC STATISTICS

Analysis begun: May 28, 2008 3:22:28 PM

Variable **Direction**Data Type Angles

Number of Observations **61,725**

Data Grouped? Yes

Group Width (& Number of Groups) 10° (36)

Mean Vector (μ) 1.3E+2°

Length of Mean Vector (r) 0.1

Median 1.1E+2°

Concentration 0.3ircular Variance 0.9

Circular Standard Deviation 1.2E+2°

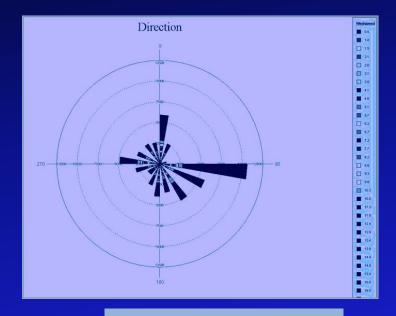
Standard Error of Mean 1.3°

95% Confidence Interval (-/+) for μ 1.2E+2°

1.3F+2°

99% Confidence Interval (-/+) for μ 1.2E+2°

1.3E+2°



Software Provided by Kovach Computing Services





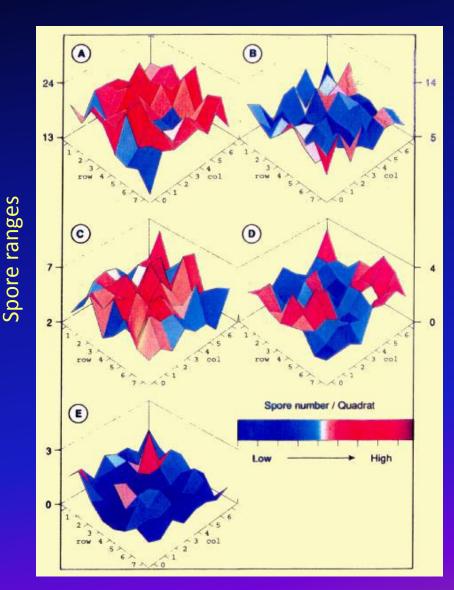
http://www.kovcomp.co.uk/oriana

Mad Bats Under a Wet Blanket

Or
The art of understanding chaotic dynamics of nano-turbulence – sort of!!!

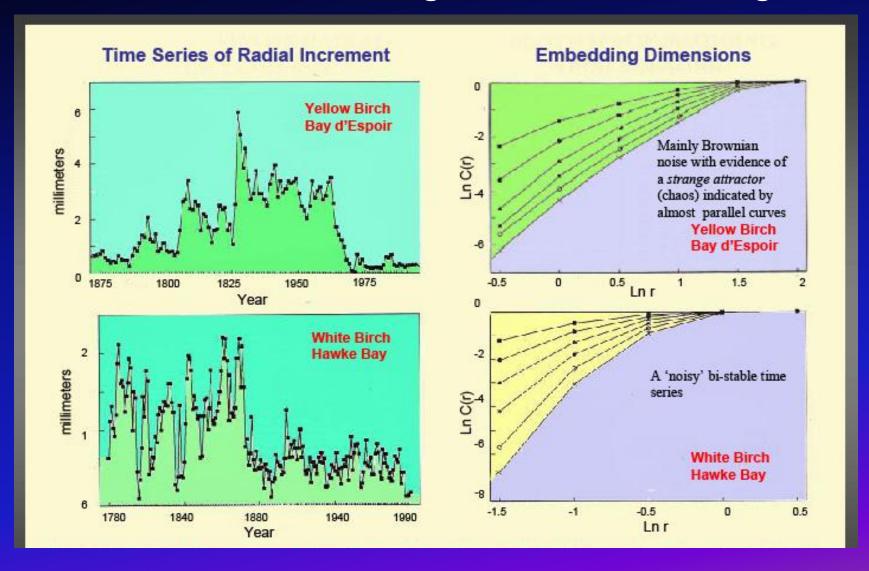


Source: M. C. Hampson & A. Robertson *Distribution of Fungal Spores and Fractal Diversity of Quadrats on membrane Filters* J. Food Protection 58:1038-1047 (1995)



Rows & columns of gridded membrane filters

Understanding Financial Futures – Sort Of! Similarities Between Hedge Funds and Tree Rings



Obsession with Windrowing – Keep it simple, Eh!













The Shifty Humpback Whale of Landeyjasandur



Moderately strong winds from two principle direction s shift the large humpback dune from left to right of the pump house (which suplies fresh water from the mainland to the Westman Islands.

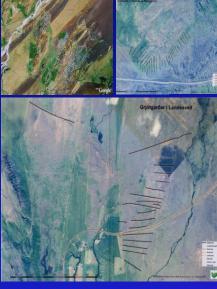


Stone Walls for Landscape Restoration in Iceland

Alexander Robertson Sveinn Runólfsson Ingvi Thoresteinsson



Soil Conservation Service 2008





Stone Walls for Soil Conservation





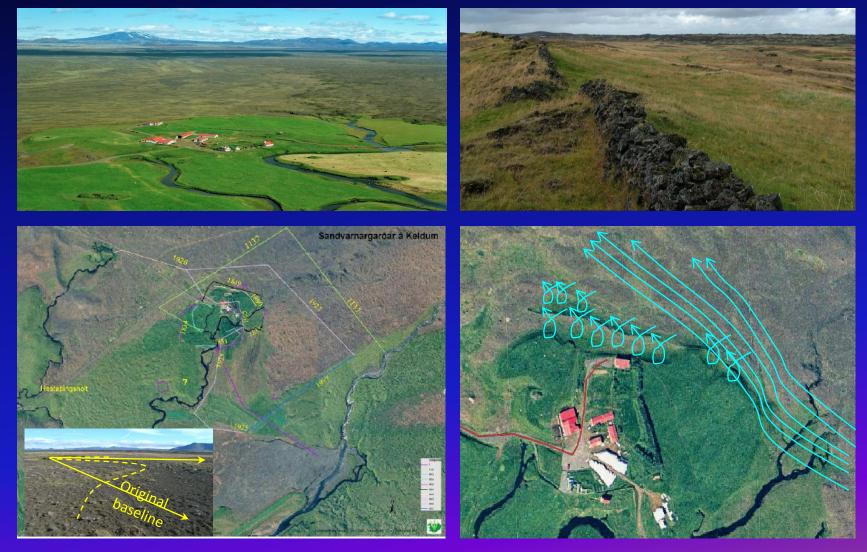






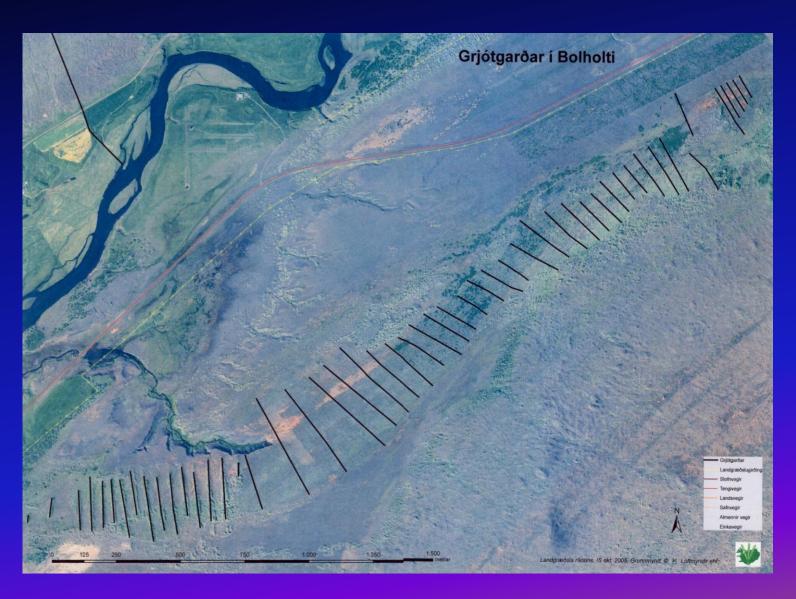
Keldur's War on Creeping Sands





Stone Walls for Soil Conservation

A super human effort worthy of the of Sagas



Goggle Earth celebrities Lars, Rocky, Snow Cloud, Sky, Sigrunn, Supersonic Bill, and their younsters at their bi-annual meeting at Reykur Topic: "Necessity of Stone Walls for Super Whoopers"







For Fall Registration Logon to http://whooper.wwt.org.uk/whooper

Stone Walls for Soil Conservation Can't See the Trees for the Walls!





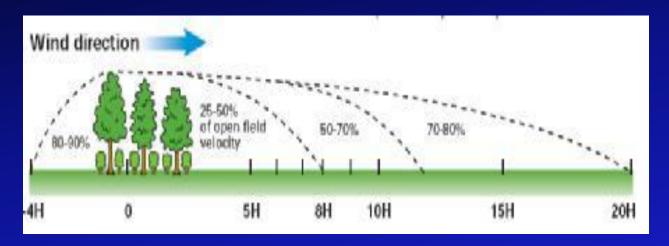
Stone Walls for Soil Conservation Can't See the Walls for the Trees!



Gunnarsholt's Indispensible Shelterbelts

Theory vs Reality

Standard Scottish Theory



Gunnarsholt Reality



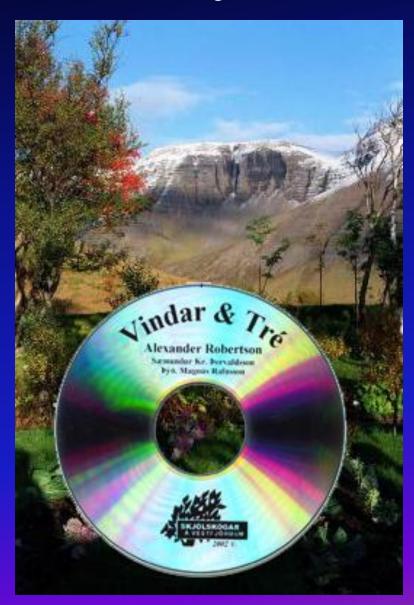
The Great Westfjord Forest Project

Áhrif landslags á veðurfar og trjávöxt

Alexander Robertson & Sæmund Þorvaldsson



Skjólskógar á Vestfjörðum



Assessing the Westfjords



Hvanneyri's Nebulous Wind Reader Lectures "Of all the Airs the Wind may Blaw"

O' a' the airts the wind may blaw,
T'ween byre, an' kirk and school;
The bonny students like tae roam,
Tae brave the fearsome gale;
In search o' things they cannae see,
Amang the helical rolls;
Wi' twist an' turns, like butter churns,
The fractals freeze their nose.







Tackling Wind at Hvanneyri



The Visual and Useful Arts



Woodcarving by Alexander Robertson, October, 2000

WIND READER

A series of slide shows on many aspects related to wind in the landscape

WIND READER

Part 1: Visualizing Turbulence



Part 2: Assessing Wind



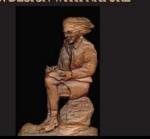
Part 3: Weather Effects



Part 4: Shelterwood & Structures

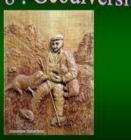


Part 5: DESIGN WITH NATURE





Part 8: Geodiversity



Part 6: Architecture

Part 9: Culture



Part 7: The Role of Biodiversity



Wood Carving as an Environmental Service Lost in Gunnarsholt (top) & Great Walls of Bolholt





Wood Carvings on the The History of the Iceland Soil Conservation Service

Baffling the Cold Winds of Urbanville









Simulating and Manipulating



Students of the Landscape and Shelterwood Course, Agricultural University of Iceland, Hvanneyri

THE ICELANDIC KNOT

It is incomprehensibly

Fractal,

Lacunar,

Heterogeneous

&

Artsy







Hallormsstaðir Tree Nursery A Robertsonian concept for a Forest Cultural Centre









RECENT ARTICLES AND SEMINARS PERTAINING TO ICELAND

Alexander Robertson, Sveinn Runólfsson and Ingvi Þorsteinsson. Grjótgarðar I landgræðslu á Íslandi Stone Walls for Soil Conservation. Landgræsla ríkisins Íslandi (Iceland Soil Conservation Service) 2008

Alexander Robertson Wind Reader (Translated to Icelandic by Ingvi Þorteinsson & Sveinn Runólfsson) 2008

Alexander Robertson, Auður Sveinnsdóttir, Sveinn Runófsson and Skuli Lyðsson. Landscape & Shelterwood: Tackling the Ubiquitous Wind. Conference, Afforestation in Nordic Countries; Nordic Council of Ministers, Reykhól, Iceland. 2005

Alexander Robertson Landscape Architecture & shelter Woodlands. Guest Lecture, Seminar on Architecture and Forestry sponsored by the Iceland Architects Association, Iceland Landscape Architects Association, Iceland Forest Service, Soil Conservation Service, and the Agricultural University of Iceland (Hvanneyri) Reykjavik, Sept. 2004

Alexander Robertson and Þröstur Eysteinsson. Community Forestry in Iceland. Paper Canadian Institute of Forestry, Newfoundland & Labrador Section Annual General Meeting. St. John's, Oct. 2003

Alexander Robertson and Þröstur Eysteinsson. Íslenska fléttan. Skogræktarridið 2002 2.tbl :91-95

Alexander Robertson and Sæmundur Þorvaldsson. Áhrif landslags á verðurfar og trjávöxt (Assessing the Landscape for Actual and Potential Effects of Weather on Trees). Compact Disc "Vindar & Tré" produced by Skjölskógar á Vestfjörðum, (Shelter Woodlands for the Westfjords), Þingyeri, Iceland, 2002 (in Icelandic)

Alexander Robertson The Physical Environmental Approach to reforestation of man-made barrens: Forestry Beyond the Timberline Workshop: Ecological and Socio-economic Factors Affecting Forestry in the Context of Rural Development in the North Atlantic Region. Akureyri, Iceland (June, 2000). Skogræktarridið 2001 1.tbl (Icelandic Forestry 2001 No. 1)

Alexander Robertson. Forests and global climate change: fractals, chaos and directional data - first principles of complexity. MUN Engineering & Applied Science Lecture (1996)

A.Aradottir, H.Thorgeirsson, J.H.McCaughey, I.B.Strachan and Alexander Robertson. Establishment of a black cottonwood plantation on an exposed site in Iceland: plant growth and site energy balance. Agric. For. Meteorology 84(1-9) (1997)

A. Aradottir and Alexander Robertson. Circular statistical analysis of birch colonization and the directional growth response of birch and black cottonwood in south Iceland. Agric.For. Meteorology 84: 179-186 (1997) and St. Piere and Miquelon CD 2000

Alexander Robertson. Tré og vindur. Arskriti Skógraekterfelags (1989) (In Icelandic)

ICELAND'S PEOPLE AND LANDSCAPES AN INSPIRATION FOR HIGHLAND BAGPIPE COMPOSITIONS



Great Westfjord Forest (Jig)



Stapi Hellnar's Wee Church Organ (Pibroch)



Bonnie Lasses o' Hvammir (Strathspey)



Green Fields of Gunnarsholt (Slow Air)



Heiðahvammur's Bonny Woods (Reel)



Big Spruce of Haukadalur (March)



Treeplanter's Fancy (Hornpipe)



Wee Folk of Hvanneyri (Reel)

CATCHING FLYING TREES

Robertson's end game for forest restoration in Iceland



