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## Non wood uses of VBTs related to cultural associations



## Non wood products and services

- traditional use (fodder, medical...)
- cultural value (mythology, religion, legends)
- landscape values - trees in the open space
- ecological values
- special wood product – non in common use  
as instruments, bowls, spoons...



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## Traditional uses of VBTs of non wood products

- methods of data collection

### Method:

data collected by experts from 10 countries, that examine national sources of information (9 species)

types of non wood products

types of used elements

data represent a good range of different regions



### Problems:

Data hidden

- mostly locally known data

- data in danger to be lost – related to traditional, rural ways of life



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## Traditional uses of VBTs - non wood products

What do we use ?

**Bark** – baskets, shoes...

**Branches** – brooms, fire beaters for forest fires

**Leaves** – fodder, sauerkraut, tobacco

**Flowers** – teas, medical use

**Fruits** - addable

**Sap** – drink, basis of sugar



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## Traditional uses of VBTs - non wood products

Tree species	Bark	Branches	Leaves	Other (flower, fruits, sap)
Alder	to smoke fish, to dye fishing-nets (F), for dye (Fin, P), teas (CH) tanning (P) Medical: catharses, intestines anti diarrheic anti hemorrhagic (F), fever ulcer wound (CH), to cure throat infections and to lower fever (P)	dyes into brown (D)	for dusting house, they bring also nutrients for pot plants (F), dyes into green (D) Medicine against fleas (D), stomach ulcers and remedy against insects (PL), for rheumatics and sciatica and to help to induce sweat (P)	fruits: dyes into brown (P); as a cure for diarrhoea (PL)
Ash	reduce fever (P), medicine astringent (F) and to heal snake bites (PL), dye & tanning (PL)	brooms (GR, CH), fire beaters for forest fires (D)	Fodder for cattle (F, PL, F, D) Medicine: against: tea and champagne (F), laxative (PL), as diuretic, rheumatism and to help stomach movement (P)	
Birch	to green dye and painting Easter eggs (PL), to improve skin and kidney and gall bladders problems (P)	tar, potash, black paint, sauna whisks and fodder (F), brooms and fish hook (F, F, IR, PL and CH), fire beaters for forest fires (IR)	Medicine: diuretic, antiseptic, for kidneys, rheumatism, gout, skin complaints (D, UK), powder for tea (D, F), as a diuretic (P)	sap is a popular drink for humans and animals, beer lemonade (F, PL); juice, to make alcohol and wine vinegar (CH) sap as medicine: urinary stones, skin disease (F);
Eim	flour in famine times (CH), to help sweat & to relief skin burns (P).		fodder (CH, F, D, P), to sauerkraut (CH) Medicine: herb tea, digestion, sore throat skin inflammation, eczema, psoriasis, acne and furuncle scruff to haemorrhoids (F)	Fruits: addable (CH)



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## Traditional uses of VBTs - non wood products

Tree species	Bark	Branches	Leaves	Other (flower, fruits, sap)
Lime	material for baskets, shoes, rope and strings (F, D, PL, CH) and also clothes (F, D), rope and string (F, PL, D, CH, P)		for face washing and also as a compress for burns and ulcers (F)	Flowers: headaches, cardiac pains, arteriosclerosis, baths used to help nervous tiredness, to bring about calmness and sleep (F, P), brings the basis for perfume (D), to make alcohol (PL, CH)
Sycamore			sauerkraut (F) and for a syrup (CH)	Sap: basis of sugar (D)
Walnut	To dye wool and hair, (CH, D, Pl); 2000 uses (D)		Medicine: sac of using from herb tea, in baths for skin infections, eczema, anaemia, drop, lung disease, unblocking the digestive tracts, reduction of perspiration in hands and feet, night sweats, activates the growth of eyelashes and eyebrows (F), also for gastric ulcers (Pl), insect pests (Pl, D), but also against parasites and worms (D), substitute for tobacco (D)	Nuts: nut wine, oil for cooking (F, UK), oil for cosmetics as shampoo and soap (P, CH), oil for energy (CH) and liquor (PL), artists oil paint in all Europe, to dye wool and hair (CH, D, PL), Medicine: cholesterol lowering affect for circulatory system (CH) to kill stomach worms (P, PL)
Wild Service Tree				Fruits: honey-yielding tree, eaten cooked or raw (F, CH), used for barley beer by Gallic people, hard liquor (CH). Medicine: astringent, anti-diarrhoea, healing, anti-haemorrhagic, gall & kidney stones, cough, sweet brandies, fermented drink, vinegar (F) and herbal remedy for colic and dysentery (D).
Wild cherry			tobacco (G)	Fruits: marmalade kirsch, juice, jelly, liquor and compote all over the Europe (D) - Black forest Cherry cake and cherry-schnapps, jam tea alcohol (CH, P), seeds as cooking oil and hot water bottle (D)

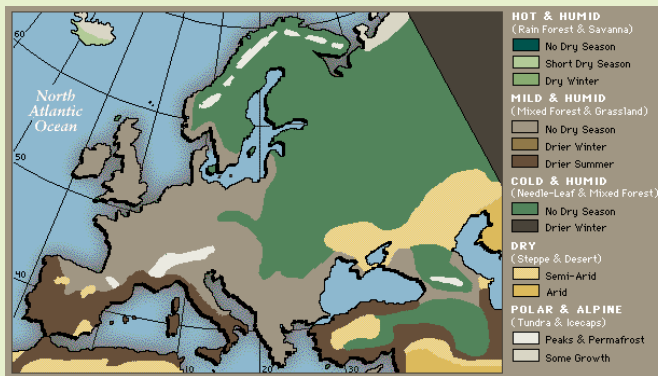


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## Traditional uses of VBTs relations of distribution

### (1) Climate condition & trees distribution

- North - South (walnut, cherry)
- East – West (birch, elm)



<http://images.encarta.msn.com/xrefmedia/aencomed/targets/maps>



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## Traditional uses of VBTs relations of distribution

### (2) Cultural condition

- Historical borders – Roman limes, Osman Empire, Catholic/ Orthodox Celtic line (Celtic Europe)
- Cross culture migration (roads of salt, iron, amber, ...)



[www.euratlas.com](http://www.euratlas.com)



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## Traditional uses of VBTs relations of distribution



(3) Forest trees *versus* single tree (introduce by human)

- forest trees can but, not must be a basis for popular non wood product
- single tree (soliter) can have important role as a basis for non wood product as ash in Portugal, walnut in Poland



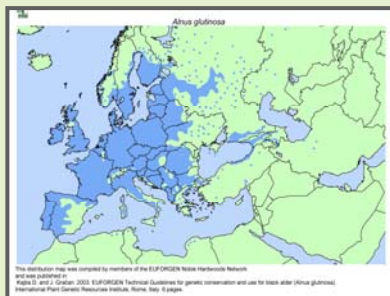
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## Traditional uses of VBTs - distribution

*Alnus glutinosa*

Use of non wood products reflect the natural distribution

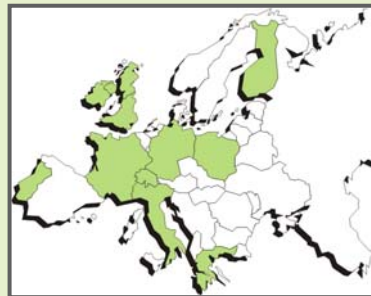
Natural distribution



This distribution map was compiled by members of the EUP FORGEN Native Herbaceous Network and was published in:  
Kilgus, B. and J. Gopalak. 2005. EUP FORGEN: Technical Guidelines for genetic conservation and use for black alder (*Alnus glutinosa*).  
Herbaceous Plant Genetic Resources Institute, Rome, Italy. 6 pages.

[http://www.lpgri.cgiar.org/networks/euforgen/Distribution\\_Maps](http://www.lpgri.cgiar.org/networks/euforgen/Distribution_Maps)

Collected data about non wood product



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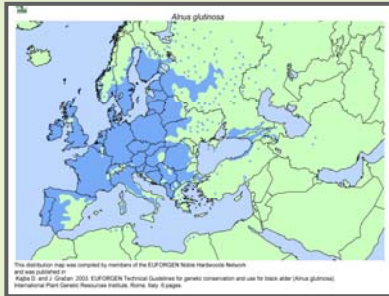
## Traditional uses of VBTs - distribution

*Alnus glutinosa*

Use of non wood products reflect the natural distribution

Natural distribution

Collected data about non wood product



[http://www.ipgri.cgiar.org/networks/euforgen/Distribution\\_Maps](http://www.ipgri.cgiar.org/networks/euforgen/Distribution_Maps)



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## Traditional uses of VBTs - distribution

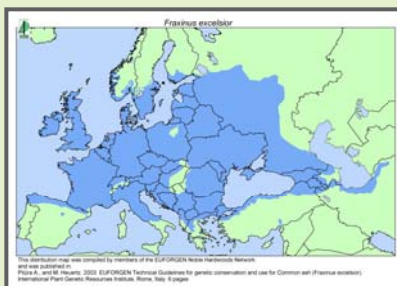
*Fraxinus excelsior*

Use of non wood products:

- not directly reflect the natural distribution
- cultural influences

Natural distribution

Collected data about non wood product



[http://www.ipgri.cgiar.org/networks/euforgen/Distribution\\_Maps](http://www.ipgri.cgiar.org/networks/euforgen/Distribution_Maps)



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## Traditional uses of VBTs - distribution

*Tilia cordata*

Use of non wood products:

- not confirm species but genus
- not directly reflect the natural distribution
- cultural influences

Natural distribution



[http://www.ipgri.cgjar.org/networks/euforgen/Distribution\\_Maps](http://www.ipgri.cgjar.org/networks/euforgen/Distribution_Maps)

Collected data about non wood product



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## Traditional uses of VBTs - distribution

*Sorbus torminalis*

Use of non wood products reflect the natural distribution

Natural distribution



[http://www.ipgri.cgjar.org/networks/euforgen/Distribution\\_Maps](http://www.ipgri.cgjar.org/networks/euforgen/Distribution_Maps)

Collected data about non wood product



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## Traditional uses of VBTs - distribution

*Ulmus laevis*

Use of non wood products:

- not confirm species, but genus
- not directly reflect the natural distribution
- cultural influences

Natural distribution



[http://www.ipgri.cgjar.org/networks/euforgen/Distribution\\_Maps](http://www.ipgri.cgjar.org/networks/euforgen/Distribution_Maps)

Collected data about non wood product



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## Traditional uses of VBTs - distribution

*Acer pseudoplatanus*

it is used mostly on area of natural distribution  
special wood product as instruments

Natural distribution



[http://www.ipgri.cgjar.org/networks/euforgen/Distribution\\_Maps](http://www.ipgri.cgjar.org/networks/euforgen/Distribution_Maps)

Collected data about non wood product



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## Traditional uses of VBTs - non wood products

- 1) medical purpose
- 2) addable products for human (to sauerkraut, juice, etc.)
- 3) fodder (mainly for cattle)
- 4) craft / other usable products (shoes, baskets, ropes)
- 5) for its chemical properties – (dying, painting, tanning)
- 6) for its cosmetics properties



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## Traditional uses of VBTs - non wood products

### 1) medical purpose

catharses,  
intestines anti diarrheic  
anti hemorrhagic,  
fever ulcer wound  
to cure throat infections  
to lower fever  
against fleas  
stomach ulcers  
remedy against insects  
for rheumatics and sciatica  
to help to induce sweat  
for skin complaints  
....

All species beside Sycamore  
has different medical use

as

bark of Alder (*Alnus glutinosa*)  
in Portugal

to cure throat infections and to  
lower fever



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## Traditional uses of VBTs - non wood products

### 2) addable products for human

sap for drinks  
leaves to sauerkraut  
leaves for syrup  
fruits for liquors  
nuts for oils

#### Addable products of:

**Birch**

**Elm**

**Walnut**

**Lime**

**Sycamore**

**Wild Service Tree**

**Wild cherry**



www.cybis.se

- sap is a popular drink for humans and animals, beer lemonade (FI, PL);
- juice, to make alcohol and wine vinegar (CH)



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## Traditional uses of VBTs - non wood products

### 3) fodder (mainly for cattle, goats)

leaf-fodder is a major product of trees and woods all over the world;  
- major role in livestock husbandry – critical importance to the survival of livestock housed indoors over winter and also of the people

#### Fodder of:

Ash

Elm

<http://www.hbrc.govt.nz/Portals/0/LandMgmt/feb02.jpg>



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## Traditional uses of VBTs - non wood products

### 4) craft / other usable products (shoes, baskets, ropes, tobacco)



Products of:

Ash (branches) – brooms (GR, CH),  
fire beaters for forest fires (D)

Birch - sauna whisks (1), fish hooks, shoes (Fi)

Elm - bark baskets (2)

Lime - bark - material for baskets, shoes, rope  
and strings (F, D, PL, CH) and also clothes

Wild cherry – tobacco substitute

Walnut – tobacco substitute



[www.visitfinland.com](http://www.visitfinland.com)



[www.bushcraft.ridgeonet.com](http://www.bushcraft.ridgeonet.com)



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## Traditional uses of VBTs - non wood products

### 5) for its chemical properties and cosmetics

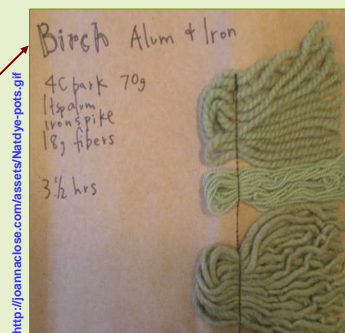


Ash – bark: to smoke fish,  
to dye as fishing-nets (FI),  
fruits: dyes into brown (P)

Birch – bark: to green dye and painting  
Easter eggs (PL),  
branches: tar, potash, black paint

Lime tree - basis for perfume (D)

Walnut - to dye wool and hair, (CH, D, PL)



<http://oamniaclose.com/assets/Natdye-pots.gif>



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## The Past and the Future



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## The Past and the Future

**Non wood product  
and services  
without many  
possibilities for  
future use**



tobacco  
fodder  
other usable products (shoes...)



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## The Past and the Future

### Non wood product and services with future possibilities of use

#### (1) Used in the past and in the future

- medical – source of new medicine
- ecological trend:
  - eco slow food – sap, natural teas etc..
  - traditional kitchen
  - natural cosmetic products



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## The Past and the Future

### Non wood product and services with future possibilities of use

#### (2) Not popular or unknown uses with possibilities in the future

- agro-forestry development
- historical research on non wood products  
of VBTs – unknown relation and uses



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## Conclusions

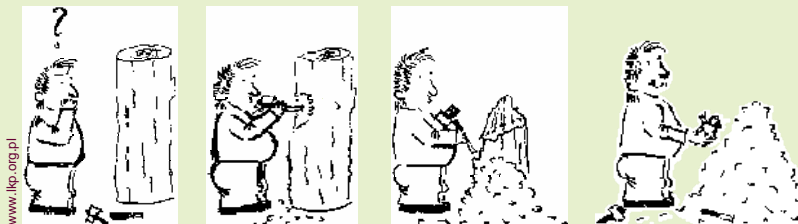
- Use of non wood products not always reflect the natural distribution
- Not species but genus are confirmed in use of non wood product
- Beside non wood product there are also special wood product not related to wood industry – need to be examine as well
- Research on non wood products – the chance to keep the traditional knowledge
- Cultural influences need to be more examine in this field
- Most of VBTs non wood product were used in the past, but still there possibilities to use them in the future



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Non wood product ...



Thanks for you attention

Thanks to colleagues from Working Group 3



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