

МЕЖДУНАРОДНЫЙ СЕМИНАР

*Роль девственной наземной биоты
в современных условиях глобальных
изменений окружающей среды:*

БИОТИЧЕСКАЯ РЕГУЛЯЦИЯ ОКРУЖАЮЩЕЙ СРЕДЫ

Петрозаводск, Карелия, Россия, 12-16 октября 1998



INTERNATIONAL SEMINAR

*Role of virgin terrestrial biota
in the modern processes of global change:*

BIOTIC REGULATION OF THE ENVIRONMENT

Petrozavodsk, Karelia, Russia, October 12-16, 1998

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12-16 1998 .

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 (66°16'-66°26' , 30°17'-30°33' -
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(110 250),

(*Pleurozium schreberi*, *Hylocomium splendens*, *Ptilium crista-castrensis*).

164 320

(*Cicerbita alpina*, *Angelica sylvestris*, *Cirsium heterophyllum*,
Calamagrostis phragmitoides, *Chamaenerion angustifolium*, *Geranium*
sylvaticum) (*Gymnocarpium dryopteris*, *Phegopteris*
connectilis, *Diplazium sibiricum*, *Dryopteris assimilis* .),
(*Milium effusum*, *Dryopteris*
felix-mas, *Paris quadrifolia*, *Elymus caninus*, *Melica nutans* .).

Sphagnum Mniium.

500-600

Succession State of Oldgrowth Forests of Northern Karelia

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On the territory of old growth forest tract in the vicinity of Sieppitunturi mountain (Pjaozero forest management unit, northern Karelia) the basic variants of forest communities are revealed. Postfire fruticulose spruce and pine-spruce communities with *Hylocomium*, *Pleurozium*, *Dicranum* prevail on the area and are characterised by low floristic diversity. Spruce forest with nemoral and tall grasses belongs to the least broken forest communities, distinguished by maximum biodiversity and not broken by fires for at least 500-600 years. The grass spruce communities should be considered as the most perspective objects for inclusion them in protected natural territories.

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