



# The GLOBE Day in Narva

18th April 2017

Venue [Narva Language Lyceum](#), Address: Kangelaste 32, Narva

Field measurements in school surroundings and Äkkeküla sports center.

## AGENDA

**10:15 – 10:45** Arrival, registration

<b>10:45 – 11:05</b>	<b>Welcome and Introduction</b>		<b>Nadežda Tšerkašina</b> , Principal of the Narva Language Lyceum	<b>10</b>
		Role of the GLOBE Program in the Estonian general education	<b>Imbi Henno</b> (PhD), Chief expert of the Ministry of Education and Research	<b>5</b>
		Activities of the GLOBE Program in Estonia	<b>Laura Altin</b> , GLOBE Country Coordinator, NGO „GLOBE Eesti“	<b>5</b>
<b>11:05 – 11:45</b>	<b>GLOBE in our school</b>	Students from Kääpa Basic School	Teacher: <b>Aiki Jõgeva</b>	<b>8</b>
		Students from Kilingi Nõmme Gymnasium	Teacher: <b>Elli Altin</b>	<b>8</b>
		Students from Tartu Kristjan Jaak Petersoni Gymnasium	Teachers: <b>Tiina Sõber</b> and <b>Helgi Muoni</b>	<b>8</b>
	<b>Narva: geography, hydrology, and our investigation sites.</b>	Students from Narva Language Lyceum	Teachers: <b>Veronika Zhurina</b> and <b>Nadežda Iljina</b>	<b>8</b>
	<b>Narva: biology, land cover types, and our investigation sites</b>	Students from Narva Kesklinna Gymnasium	Teacher: <b>Tatjana Sedova</b>	<b>8</b>
<b>11:45 – 12:15</b>	<b>Learning of Earth Systems Geographical coordinates</b>	Global measurements and observations, cooperation of students, scientists and satellites	<b>Ülle Kikas</b> (PhD), NGO Teaduskera	<b>10</b>

	<b>Phenology investigation</b>	Using GPS and mobile phones for getting geographical coordinates	<b>Toomas Plank</b> (PhD), University of Tartu - NGO Teaduskera	10
		Guidelines for starting Green up – green down observations	<b>Tiiu Ehrenpreis, Meelis Reinart</b> , Viljandi Kesklinna Basic School - NGO Teaduskera	10
<b>12:15 – 12:45</b>	<b>Lunch</b> In school			
<b>12:45 – 13:15</b>	<b>Introduction to field measurements</b>	Atmosphere protocols, inc surface temperature	<b>Elli Altin</b> , Kilingi-Nõmme Gymnasium	10
		Hydrology protocols	<b>Helgi Muoni</b> (PhD), Tartu KJPG	10
		Biometry, and land cover classification protocols	<b>Veljo Kimmel</b> (PhD), NGO Teaduskera	10
<b>13:15-13:45</b>	<b>Preparation for field</b>	Assembling 3 exploration groups, appointment of individual tasks, distribution of instruments. Groups: 1. Biometry and land cover: trainers -Imbi, Veljo, Toomas, Tiiu, Meelis; 2. Atmosphere: trainers Ülle; Elli, Arvet, Karli; 3. Hydrology: trainers Helgi, Tiina, Aiki.	1 student from a school in each group. Teachers choose a group mostly matching his/her interests	30
<b>13:45 – 14:15</b>	<b>Trip to investigation sites</b>	Measurement sites have been previously selected and mapped by students of Narva Schools		30
<b>14.15-15:15</b>	<b>Working in groups</b>	Field measurements and observations according to the GLOBE protocols. Sending data.		60
<b>15:15 – 15:45</b>	<b>Trip back to school</b>	Determination of the MUC code for a selected land cover site (on the way).		30
<b>15:45 – 16:00</b>	<b>Summary</b>	Review of measurements and results; conclusions	Trainers and teachers	15
<b>16:00 – 16:30</b>	<b>Farewell</b>	Snacks and cake		

Participants: 33 – 45 students, 11 - 15 teachers, 7 trainers

Languages: Estonian, Russian, English

Organised by NGO Teaduskera. Sponsored by U.S. Embassy in Estonia.