The critical shortage of younger scientists entering the field in Ukraine poses significant implications for the future of scientific research. As of January 2024, Employees of the Institute of Geophysics of the NAS:

- 5.4% aged 21-35
- 46.6% retired and aged 61-90
- 58% PhD got more than 20 years ago
- 87% male aged 21-60 in military reserves
- significant lack of young generation

The analysis of seismic signals, regardless of their source – earthquakes or man-made noise, will form a fundamental component of any seismology-focused educational program.

Raspberry Shake Seismographs in Ukraine are already detecting earthquakes, explosions, etc.

Newly Admitted Students to Institute of Geology, Taras Shevchenko National University of Kyiv:

<table>
<thead>
<tr>
<th>Year</th>
<th>Students</th>
</tr>
</thead>
<tbody>
<tr>
<td>2021</td>
<td>73</td>
</tr>
<tr>
<td>2022</td>
<td>65</td>
</tr>
<tr>
<td>2023</td>
<td>64</td>
</tr>
</tbody>
</table>

Earthquake 01.03.2023 00:22:45 UTC, Poltava region, Ukraine, M 3.6

The implementation of the Raspberry Shake Seismographs across schools and universities in Ukraine (28 RS, 12 laptops)

- Educational materials for seismology at middle and high school levels in UA.
- The instruction “How to install your Raspberry Shake” in Ukrainian language.
- Lecture: Introduction to seismic instruments and how to set up your RShake.

Newly Admitted Students to Institute of Geophysics of the NAS:

<table>
<thead>
<tr>
<th>Year</th>
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</tr>
</thead>
<tbody>
<tr>
<td>2021</td>
<td>79</td>
</tr>
<tr>
<td>2022</td>
<td>78</td>
</tr>
</tbody>
</table>

The missile attack in Kyiv, Ukraine, 21.03.2024

Low-Cost Seismic Network Initiative in Ukraine. Goals:

- Stopgap measure to ensure access to quality education in Ukraine while the network is not functional.
- Support for science teaching from middle to high school.
- Fostering a new generation of geoscientists by introducing modern geosciences in the classes.
- The analysis of seismic signals, regardless of their source – earthquakes or man-made noise.
- Integrating seismometers into schools cultivates education based on real-time seismic records.

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