SCIENCE OUTREACH DORA ALTBIR DRULLINSKY

- In 2019 she organized the Cycle Wednesdays with lectures aimed at the community on Nanoscience and Nanotechnology, held at the Chilean Academy of Sciences.

- In 2016 and 2017 she have collaborated with the Congress of the Future and in 2017, with School Future Congress.

- Between 2015 and 2019 she has been the editor of a Nanoscience Calendar that is distributed in 2000 educational establishments in Chile. The Calendar, with pages with images and explanations allusive to nanotechnology, are produced by young scientists and students of the CEDENNA Center.

- Between 2009 and 2014 she has been the editor of a Magnetism Calendar that is distributed in more than 1500 educational establishments in Chile. This calendar, with pages allusive to the magnetic phenomenon, is dedicated to the classrooms and laboratories of these schools. The photos, with motifs on magnetism, are produced by young scientists (postdocs and postdocs) and contain simple explanations of the phenomenon illustrated.

- Between 2012 and 2014, the Science Café at the Confiteria Torres de Santiago has been given life, a space in which science and technology were the protagonists of an enjoyable conversation with prominent scientists from Chile and the world. National Science Prizes, biologists, physicists, chemists, neurologists, doctors, seismologists and educators were part of the first, second and third season of this program, summoning more than 700 people live and over 25 700 people live and more than 25 thousand people through the Radio of the University of Santiago de Chile, to talk about various topics related to science, technology and innovation. The program, hosted by Dr. Eugenio Vogel of the Universidad de la Frontera, was rebroadcast weekly by six university radio stations in the country.

- Between 2012 and 2019 she has given more than 25 talks describing the impact of nanotechnology in institutions such as nanotechnology in Institutions such as Sofofa, IM2 of Codelco, B'nai B'rith, Fuerza Área de Chile, Subsecretaria of Chile, Undersecretary of Defense, Universidad Austral, U.S. Embassy, Universidad Autónoma de Chile, among others, Universidad Autónoma de Chile, among others.

- In 2012 and 2013, she coordinated, together with Professor Eugenio Vogel, the development and donation of two new experimental modules for the Mirador Interactive Museum. These are the “Magnetic Brake Magnetic” which consists of a series of tubes made of different materials, through which visitors drop magnets and non-magnetized spheres, and “Magnetic Domains”, which has two containers for

experiments in whose interior there are small magnets in the form of arrows, which group their directions into magnetic domains. The experiments are located in the Electromagnetism room and are visited monthly by more than 30 thousand people.

- During 2011, 2012 and 2014 she coordinated, together with professor Eugenio Vogel, the staging of of the play Science/FICTION, which was presented by the theater company of the Universidad Católica. The initiative sought to awaken the interest of young people and adolescents in science and the environment through a fun play that fuses theater, music and science. The play was a success and was presented in the cities of Santiago, Talca, Concepción, Villarrica, Temuco, Valparaíso and Arica, being seen by more than 40 thousand people.

- In 2010, 2013, 2016, 2016, 2017, 2018 and 2019, she organized the Nanoscience and Nanotechnology Schools for high school teachers (PRONANO), oriented to contribute to the understanding of nanoscience and nanotechnology through demonstrative talks and guided visits to laboratories. The School has had the participation of teachers from all over Chile.

- In 2009, she collaborated with magnetic declination measurements in schools in different cities. Through a simple experiment, children learn what magnetic declination means and were able to measure the value of the magnetic declination, associated with the position of their school. These were used to build a map of the magnetic declination of Chile.

- In 2005, she directed the “100 years 100 schools” project, in which 100 schools participated, from all over Chile, who measured, using equipment built at the Universidad de Santiago de Chile, the solar radiation that falls on the country in the spring. These measurements were published in the book “Mapa de Radiación Solar en Chile” (Solar Radiation Map in Chile). As a continuation of this successful experience in 2008 she directed the project “Measuring Radiation in my Country”, where more than 200 schools took radiation measurements between the months of June and December to obtain a geographic map of solar radiation in Chile. The results gave rise to the first solar radiation map of the country, and a report that shows the enormous potential of the country for the obtainment of sun energy.