

IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)  
Interactive Presentations - IAF SPACE EDUCATION AND OUTREACH SYMPOSIUM (IP)

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AEB ESCOLA VIRTUAL - EDUCATION PLATFORM: OPEN AND DISTANCE LEARNING  
PLATFORM FOR ACCESSIBLE SPACE EDUCATION.

**Abstract**

Open and Distance Learning (ODL) is a teaching and learning modality that offers learning opportunities through open and flexible access to anyone, anywhere and at any time. ODL has been growing in recent years with the advancement of Information and Communication Technologies (ICTs). During the Covid-19 Pandemic, ODL became a relevant tool for mitigating educational problems due to social distancing. In this sense, the Brazilian Space Agency (AEB) launched in September 2021 the AEB School Virtual Learning Environment (AEV). This platform was created to structure and organize the virtual educational activities of the AEB Escola Program. The platform offers free courses in remote, synchronous and asynchronous, and hybrid modes. In addition, AEV provides various content such as books, hand-outs, videos and other teaching materials to support students and teachers. The content is developed in partnership with professors and researchers from universities, research institutes and AEB.

The courses are organized by areas of knowledge: Aerospace Sciences; Agricultural and Biological Sciences; Exact and Earth Sciences; Humanities and Social Sciences; and GLOBE Program. Over 40 classes were held on the platform, with 10 thousand registered users from elementary school students to professionals in the field. Main access languages are Portuguese, Spanish and English. 40 nationalities access the platform, while 90

In this paper, the importance of such a platform is presented and discussed, with detailed exposition of the most relevant actions. It can be concluded that AEV is a strategic dissemination tool that allows the promotion of knowledge about the space sector to audiences of different profiles.