

## Press Release



! 24/2022

### Consistent standards facilitate the use of photos and videos

07/07/2022/15h. Thousands of images from the deep sea are stored on the servers of marine research institutes around the world. Until now, these videos and photos have been difficult to find via the internet because they are not cataloged and described consistently. Led by GEO-MAR, a team from the Helmholtz Association of German Research Centers has developed an universal data standard to facilitate the global use of images. The new metadata format is now presented in the journal *Nature Scientific Data*.

Life in the deep sea is incredibly diverse and is hidden in lightless, cold, and high-pressure environments. Exploring these environments is a challenging task. The data generated from these expeditions are often large and complex. To make this data more accessible and usable, a team from the Helmholtz Association of German Research Centers has developed a new metadata format. This format will facilitate the global use of images and videos from the deep sea. The new metadata format is now presented in the journal *Nature Scientific Data*.



Canle el ig he iFDO aada f a, he ha de re ed e eal a e I ha  
aei ible ad he iFDO f a f a a bi g al ge e ca i e e ai .A he  
ide i e i ca e a e i he f e a a call ge e a e eadaa iFDO f a  
he a i age i bei g ake . ell i k a e ed b iGOMAR e a che d i g  
e edii M182 ih he e e a n e el MENDOR ih A la i o Ocea . Ca e a ab ad he  
a de ae ehle ANTON, LUIS E a d ABYSS, a ella e di e a d  
ai a i g , ed iFDO eada a direct d i g e ai . "Thi e e e ce a e  
iie a d ill led e addi he d c e ai ad f a e l - he iFDO  
he e e ked e ell d i g hi e edii ," a Ti Sch e i g.

A a ic la challe ge i hi age a d ide ec di g i ha a c e ca eadil e al a e  
he .Thi i diffe i h e e a e de h e a e e : he e ical al e ca be e a il  
ed a d di la ed i a diag a .A ide , he he ha d, i j a da a ea f i el f a  
c e . The ef e, each bjec i he i age ae ial fi be a ked a d defi ed - a  
el ga ed bjec a a ea c c be, f e a le. E e efe hi a a ai a d e  
eciali ed f a ef hi e, ch

