

What Is Science Made Of

C. Almeida-Aguiar^{1,2}, M.J. Almeida^{1,2}, H. Carvalho Araújo³, I. Almeida Braga³, A. Nobre^{1,2}

¹ STOL – Science Through Our Lives stol@bio.uminho.pt <https://www.facebook.com/pages/STOL-Science-Through-Our-Lives/157428631036940>

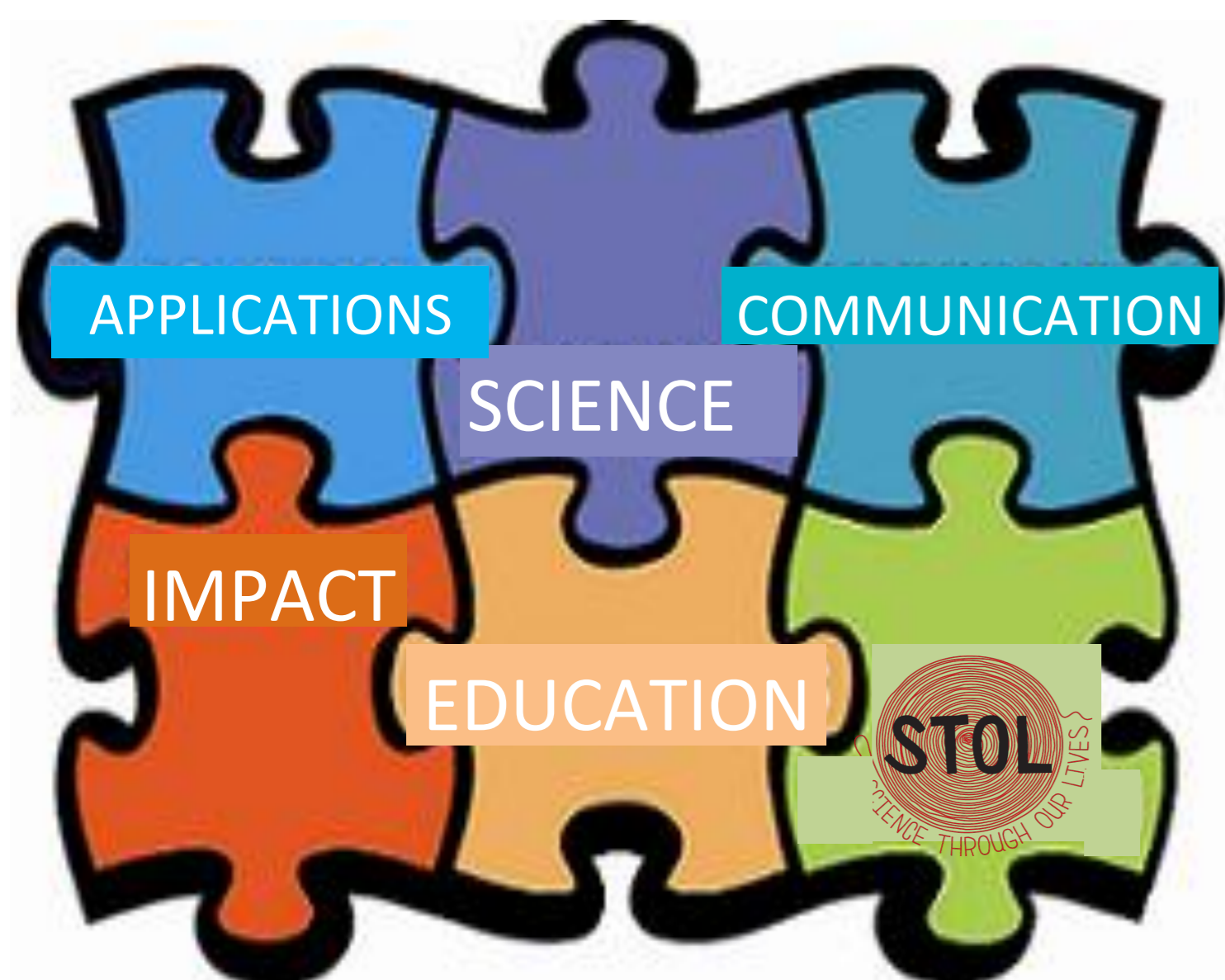
² CBMA – Centro de Biologia Molecular e Ambiental; DB/UM – Dep. Biologia da Universidade do Minho, Braga, Portugal

³DLYB - Don't Lose Your Brain

A BRIEF HISTORY

Developing scientific literacy is often defined as the knowledge and understanding of scientific concepts useful for daily living and science education.

A focus on the relationship among science, technology, and society is considered essential for achieving basic science literacy.



To reply the question “**What is Science made of?**” the STOL team recognized that there are words that harmonize the concept of science and the spirit of the scientists, and that the presentation of these words to the public through a representational art would be an interesting and innovative way to generate a new dialogue.

A photo exhibition “What is science made of” has emerged as an answer to the task of translating 12 concepts, which are part of the scientific process, into 12 images built with common laboratory material and tools.

In an attempt to evaluate the impact of the exhibition on its visitors, 22 groups of 5 students each were challenged to select a photograph of the collection and to explain why it has caused impact.

SOME RESULTS

SELECTED WORDS

knowledge (4 groups), persistence (4 groups), curiosity (3 groups), challenge (3 groups), choice (3 groups), creativity (1 group), power (1 group), accuracy (2 groups) and shrewdness (1 group)

SELECTED IMAGES

curiosity (60.5%), knowledge (55%), persistence (52%), method (32.7%), creativity (26.9%), challenge (26.9%), accuracy (22.7%), communication (12.6%), shrewdness (5.9%), choice (4.2%), **power** (3.4%) and validation (3.4%)



challenge



knowledge



method

