Paper Title

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BIOGRAPHIES
Milo Grootjen and Mark Spoelstra work at the ARTIS-Planetarium as concept & content manager and audiovisual technician.

ABSTRACT
The ARTIS-Planetarium Amsterdam recently developed a planet-scanner, which makes it possible to easily scan objects and add them to our digital universe. The scanner is very low cost and uses software that scans and launches self-crafted planets instantly (45 seconds) to the dome.

INTRODUCTION
Launching your own planets into the digital universe

The scanner is part of a new “space birthday” program we offer our visitors. After a short introduction about different kinds of planets (rocky, gas, dwarf, exoplanets) the children are challenged to make their own creation. They are given a simple Styrofoam sphere on which their own world can be created. After this workshop we launch the planet together with name and birthday into our digital universe. The scanner instantly scans the object and writes scripts to use in the dome. The scripts give us the possibility to give a special live show. The birthday girl or boy will visit the starry sky of the date of birth, discover their age on other planets while flying through the solar system and ultimately travel to the new exoplanet that they have added to our galaxy. We keep a database of the created planets, which makes it possible to come and visit their worlds at the Planetarium again and again.

ACKNOWLEDGMENTS
- The scanner was made for Planetariums with Sky-Skan digital sky 2 software, but the output can be made applicable for any Planetarium system.
- The software for the scanner is written in Delphi