

# Script for ESOcast Light 215: Interstellar Thread of One of Life's Building Blocks Revealed

<b>ESOcast Light 215</b>	
<b>[Visual starts]</b>	
<b>New ESOcast intro</b>	New ESOcast introduction
<b>Title: Interstellar Thread of One of Life's Building Blocks Revealed</b>	
1. Phosphorus is <b>essential for life</b> , but how it arrived on Earth is a <b>mystery</b> .	
2. Astronomers have traced the <b>journey of phosphorus</b> from regions where new stars and planetary systems form to comets.	
3. Using ALMA to look into a star-forming region they revealed how and where <b>phosphorus-bearing molecules form</b> .	
4. They also found that the main carrier of phosphorus is the molecule <b>phosphorus monoxide</b> .	
5. The team then turned to <b>comet 67P</b> . Comets are thought to have delivered <b>life-essential molecules</b> to Earth.	
6. Using data from the ROSINA instrument on board ESA's Rosetta, the team found phosphorus monoxide on a comet for the <b>first time</b> .	
7. The study reveals an <b>interstellar thread of phosphorus</b> where phosphorus monoxide plays the lead role...	
8. ...from star-forming regions to comets and eventually planets like Earth <b>where life can begin</b> .	
<b>[Outro]</b>	<i>Produced by ESO, the European Southern Observatory. Reaching new heights in Astronomy.</i>

