

EPSC Abstracts,
Vol. 2, EPSC2007-A-00397, 2007
European Planetary Science Congress 2007
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The Molecular Universe from Simple Diatomics to Complex Organics

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From distant galaxies to diffuse interstellar matter in our galaxy, from molecular clouds where stars are formed together with protoplanetary disks and planets to comets and meteorites the chemistry displays its whole richness and complexity. I shall present an outline of the ubiquitous presence of molecules in various astrophysical environments.