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| **Environmental Enlightenment #221** By Ami Adini - March 12, 2015   |  | | --- | | This is a SHORT, LIGHT and SIMPLE newsletter. Its purpose is to rekindle in the initiated terminology they have once learned, and enlighten the uninitiated on terms they may have heard but never knew the meaning of. | | **Sustainability**  Macintosh HD:Users:celeste:Documents:_Ami Adini:ami-newsletters:1502 Sustainability:pics final:123RF:2909971_l+quote.jpg  An ***organism*** is an individual form of life, such as a bacterium, fungus, plant, or animal, composed of a single cell or a complex of cells in which organs work together to carry out the various processes of life.   |  |  |  | | --- | --- | --- | | An ovum is an organism |  | http://amiadini.com/NewsletterArchive/150312-NL221/envEnl-221_clip_image004_0000.jpg |  |  |  |  | | --- | --- | --- | | And the hippopotamus is an organism |  | http://amiadini.com/NewsletterArchive/150312-NL221/envEnl-221_clip_image006_0000.jpg |   ***Ecology*** deals with the relations of organisms to one another and to their physical surroundings.  In an absolute way, every aspect of our life belongs in ecology.  See [*Environmental Enlightenment #220, Ecosystems*](http://amiadini.com/NewsletterArchive/150107-NL220/envEnl-220.html)*,* on the relations of organisms to each other and to their physical surroundings.  http://amiadini.com/NewsletterArchive/150312-NL221/envEnl-221_clip_image008.jpg  ***Ecological Balance*** is a term that describes how ecosystems are organized in a state of stability where species coexist with other species and with their environment. For example, predators keep mice under control, insects pollinate flowers, and worms decompose leaf matter. All species are important and help keep the ecosystem balanced. (Acknowledgment: Study.com)   |  |  |  | | --- | --- | --- | | Macintosh HD:Users:celeste:Documents:_Ami Adini:ami-newsletters:1502 Sustainability:pics final:123RF:25311288_ml.jpg |  | http://amiadini.com/NewsletterArchive/150312-NL221/envEnl-221_clip_image012.jpg |   Healthy ecosystems and environments are necessary to the survival of humans and other organisms.   ***Sustainability*** is how ecosystems remain diverse and productive.  A ***sustainable*** plan, program, project or system is one that conserves ecological balance by avoiding depletion of natural resources.  Long-lived and healthy wetlands and forests are examples of sustainable systems.  5248193_xl  Image credits: Copyright: kudryashka / 123RF Stock Photo Copyright: Alexilus / fotolia Copyright: Eric Isselee / 123RF Stock Photo Copyright: Galyna Andrushko / 123RF Stock Photo Copyright: Petro Perutskyi / 123RF Stock Photo Copyright: Kelly Nelson / 123RF Stock Photo Copyright: Chris Elwell / 123RF Stock Photo | | You can find past issues of our "Environmental Enlightenment" at [amiadini.com](http://www.amiadini.com/) Wealth of information about environmental site assessments in the real estate transactions and issues concerning assessment and cleanup of contamination in the subsurface soil and groundwater. |  |  | | --- | | Call me if you have any questions. There are **no obligations.**  Ami Adini Environmental Services, Inc. Environmental Consultants & General Engineering Contractors California Lic. #1009513 A B HAZ ASB **818-824-8102**; [**mail@amiadini.com**](mailto:mail@amiadini.com) [www.amiadini.com](http://amiadini.com/)  Ami Adini is a veteran environmental practitioner with over 40 years of experience. He carries a Bachelor of Science degree (B.Sc.) in Mechanical Engineering including academic credits in Nuclear and Chemical Engineering and postgraduate education in these fields. His career includes design and construction of nuclear plant facilities, chemical processing plants and hazardous wastewater treatment systems. He is a former California Registered Environmental Assessor Levels I & II in the 1988-2012 registry that certified environmental professionals in the assessment and remediation of environmentally impacted land, and a Registered Environmental Professional (REP) since 1989 with the National Registry of Environmental Professionals (NREP). He is a California Business & Professions Code Qualifying Responsible Managing Officer (RMO) in the General Engineering Contractor classification with Hazardous Substance Removal and Asbestos certifications, and president of AMI ADINI ENVIRONMENTAL SERVICES, INC. (AAES), a general engineering contractor and consulting firm specializing in environmental site assessments, rehabilitation of contaminated sites and removal of environmental risks from real-estate transactions. (Contact Ami for a complete resume.) **AAES provides practical solutions to environmental concerns using the highest standards of ethics and integrity while providing its clients with maximum return on their investments.** | |