



**Figure 6** Group action research approach for problem solving. The process starts when a group comes together and focuses on a common problem. They create a plan (P<sub>1</sub>), implement the plan (I<sub>1</sub>), and evaluate the results (E<sub>1</sub>). From their experiences and changing circumstances, they are ready to start the next loop of the spiral (P<sub>2</sub>) and continue the process until they consider the problem to have been satisfactorily addressed. Idea generation (brainstorming, creating, exploring, and imagining) and idea analysis (reflecting, analysing, discussing, and negotiating) feed in throughout the process. (Modified from Stapp, et al., 1988.)

from: Heinze-Fry, J.A. 1996. *Critical Thinking and the Environment: A Beginner's Guide for Living in the Environment*. Wadsworth Publishing Co. Belmont, California.