Figure 1:	Behaviour	descriptions	s of adaptors	and innovators
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greater efficiency, with maximum of continuity consensual views; seen as abrasive,	sciplined, ems and avenues ncomitant nt of their	
finding themdiscover less consensually expected of solutionSeeks solutions to problems in tried and understood waysTends to query a problem's cor assumptions; manipulates problemsReduces problems by improvement and greater efficiency, with maximum of continuityIs catalyst to settled groups, irreverer consensual views; seen as abrasive,	avenues ncomitant nt of their	
understood waysassumptions; manipulates problemsReduces problems by improvement and greater efficiency, with maximum of continuityIs catalyst to settled groups, irreverer consensual views; seen as abrasive,	nt of their	
greater efficiency, with maximum of continuity consensual views; seen as abrasive,		
and stability dissonance	Is catalyst to settled groups, irreverent of their consensual views; seen as abrasive, creating dissonance	
Seen as sound, conforming, safe, dependable Seen as ingenious; unsound, impracti	Seen as ingenious; unsound, impractical	
Does things better Does things differently	Does things differently	
Liable to make goals of means In pursuit of goals liable to challenge means	accepted	
	Capable of detailed routine (system maintenance) work for usually only short bursts. Quick to delegate routine tasks	
Is an authority within given structure Tends to take control in unstructured s	Tends to take control in unstructured situations	
Challenges rules rarely, cautiously, when Often challenges rules. May have little assured of strong support and problem solving for past custom within consensus	Often challenges rules. May have little respect for past custom	
Tends to high self-doubt when system is challenged, reacts to criticism by closer outward conformity; Vulnerable to social pressure and authority; compliant Appears to have low self-doubt generating ideas, not needing cons maintain certitude in face of opposit certain when placed in core of system	ensus to tion; less	
	In the institution is ideal in unscheduled crises; better still to help to avoid them, if can be trusted by adaptors	
	When collaborating with adaptors: supplies the task orientations, the break with the past and accepted theory	
	Appears insensitive to people when in pursuit of solutions, so often threatens group cohesion and cooperation	
	Provides the dynamics to bring about periodic radical change, without which institutions tend to ossify	

Table 3.1 lists the differences between the two creative styles.

Adaptor	Innovator	
Characterized by precision, reliability,	Seen as thinking tangentially, approaching tasks	
efficiency; seen as methodical and disciplined.	from unsuspected angles; undisciplined,	
,, , , , , , , , , , , , , , , , , , ,	unpredictable.	
Concerned with resolving problems rather than	Tends to discover problems as well as less	
finding them.	expected avenues of solution.	
Seeks solutions to problems in tried and	Tends to question a problem's concomitant	
understood ways.	assumptions; manipulates problems.	
Lessens problems through improvement and	Is catalyst to settled groups, irreverent of their	
greater efficiency with maximum of continuity	consensual views; seen as abrasive, creating	
and stability.	dissonance.	
Disciplined in solving problems with minimum	In solving problems, seeks to explore untested	
of risk.	areas that may be risky and jeopardize the	
	situation.	
More loyal to policy of consensus.	Shows less respect for others' views, more	
	abrasive in presenting solutions.	
Seen as conforming and dependable.	Seen as ingenious, unsound, impractical.	
Does things better.	Does things differently.	
Liable to make goals of means.	In pursuit of goals, liable to challenge accepted	
	means.	
Seems impervious to boredom and able to	Usually unable to stay on detailed routine	
maintain high accuracy in long spells of detailed	(system maintenance) work for longer than	
work.	short bursts, quick to delegate routine tasks.	
Is an authority within given structure.	Tends to take control in unstructured situations.	
Challenges rules rarely, cautiously, when	Often challenges rules; may have little respect	
assured of strong support and problem solving	for past customs.	
within consensus.		
Has high self-doubt when system is challenged,	Appears to have low self-doubt when	
reacts to criticism by closer outward	generating ideas, not needing consensus to	
conformity; vulnerable to social pressure and	remain steadfast in face of opposition; less	
authority; compliant.	certain when placed in core of system.	
Essential to the functioning of the institution all	Ideal for tackling unscheduled crises in the	
the time, but occasionally needs to be "dug	institution, or for helping to avoid them, if can	
out" of the current systems.	be trusted by adaptors.	
When collaborating with innovators, provides	When working with adaptors, provides task	
stability, order, and continuity to the	orientations and the break with past and	
partnership	accepted theory.	
Sensitive to people, maintains group cohesion	Appears insensitive to people when in pursuit	
and cooperation; can be slow to overhaul a	of solutions, hence often threatening group	
rule.	cohesion and cooperation.	
Provides a safe base for the innovator's riskier	Provides the dynamics to bring about periodic	
operations.	radical change, without which institutions tend	
	to become rigid.	
Has a conscientious personality trait.	Has an extroverted personality trait.	
Tends to adopt ego avoidance orientation.	Tends to adopt mastery goal orientation.	

Similarly, we defined features of IBSE that promote creativity:

- Constructivist approach, strong support of student activities
- Suitable contents fostering understanding how things work
- Thinking, not following instructions blindly
- Fostering a divergent thinking flexibility, (the ability to change strategy), and originality (generation of unusual ideas), elaboration (ability to develop a basic idea and develop solutions to interesting details), fluency (richness of quick thoughts and ideas)
- Thinking logically, interconnection of facts and drawing conclusions from them (no memorization)
- Interdisciplinary nature of thinking
- Emphasis on the development of skills and competences
- Presenting new solutions
- Checking and/or finding relevant information with the help of inquiry
- Learning how to research which is more important than the results of the research
- Encouraging students to believe in their abilities
- Allow mistake nobody is penalized for mistake as a result of experimenting on a new idea
- Teacher plays the role of a special adviser and guide for students