

When nature and legends tell the tale of **Collective Intelligence**.
An aid for group guidance, through 13 stories.



Odette Gameiro • Johanna Arcangeli • Alain Brechbuhl





"This original book is an effective way to integrate the values of Collective Intelligence and discover their power."

Robert Dilts



# INTELLIGO

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## Editions de l'Ode

## From the authors of "Solution - Playing with Collective Intelligence".

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#### Editions de l'Ode

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- The list of 13 values and anti-values in A3 size.



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### Introduction

The stories we present to you here illustrate our intrinsic ability to live in harmony<sup>1</sup>. They are inspired by nature and by our legends.

Our capacity for mutual assistance, arising from kinship or self-interest, fascinates evolutionary scientists. Species, and the individuals who make them up, evolve through natural selection, but, in contrast with a competitive vision of the living world, there are groups that are observably cooperative.

In a group of humans, the people who make up the group generally agree that they are willing to operate in terms of communication, support, mutual assistance or efficiency. However, the interactions within these groups can quickly show signs of obstacles.

We invite you into an immersive experience of collective intelligence, through stories of cooperation inspired by nature and by our legends. Read, listen, and delve deep into what unites us. Observe as the connections take shape in your heart and mind. Share what resonates with you and what doesn't, so as to move towards new possibilities.

In the "Applications" chapter, we offer different uses for the professional guidance of discussion spaces, whether it's for teams or for support or therapy groups, of adults or adolescents.

These uses will foster communication, cohesion and confidence.

<sup>1/</sup> To go further: "Cooperation in the Living World" Conference - 2017 – Cité des Sciences et de l'Industrie.





When nature and legends tell the tale of Collective Intelligence.

13 stories to help you support groups



les Etourneaux Starlings

l'Auto-organisation
Self organization

## Starlings Self-organization

A person who acts without reason or common sense, guided simply by a desire to do something mindless, is said to be "dizzy as a starling". This popular saying is underpinned by a mystery of nature: the flight of starlings. In 1872, the Abbot of Vincelot reflected this adage when he said: "In their flight, starlings suddenly change direction, form zigzag lines, ascend, descend, [turn] right, left with extraordinary rapidity, and no apparent reason can justify such a strategy, (which seems to be) based on a bizarre whim."

Be reassured that Mother Nature has not allowed a kind of whimsical and erratic bird to proliferate. Ornithologists have shared their findings from efforts to understand starling behaviour. They have pierced the secret of this species through a combination of direct observation and software tracking systems. Their findings indicate that starlings function as an organised and critical system which has no overall leader or plan. This tends towards alignment with the Abbot's observations. The versatile movement of starlings is at the origin of their complex flight patterns. What happens is that when a single starling suddenly changes speed or direction the flock follows suit in a chain reaction movement that appears not to be the result of any common prior agreement on a flight path trajectory. This is how starlings effectively respond collectively to sudden external challenges or threats posed by predator