The future of management as a profession is dependent on the rise of new forms of management, including both circularity and distributed leadership. This requires a transition away from the widespread belief that management is something done by a few individuals at the top of an organisation. As part of this transition, there is a need to shift attention from human agents towards management technologies. Professor Georges Romme, from the Eindhoven University of Technology, focuses his research on understanding how the quest for management as a science-based profession can be revitalised.

Early pioneers within the management discipline perceived management as a science-based professional activity, designed to serve the ‘greater good.’ More recently, however, management researchers have largely abandoned the quest for professionalism. This has been attributed to the ‘intellectual stasis’ of management scholarship, which is unable to inform management practice. This intellectual stasis is particularly concerning in light of the increased focus on the nature and level of professionalism since the beginning of the 21st century, which has arisen following several corporate failures. Analysis of such failures has demonstrated that these companies are poorly managed. Professor Georges Romme thus proposes that the quest for the professionalism of the management discipline can be renewed as a grand societal challenge.

CHALLENGING ASSUMPTIONS
Traditionally, it has been assumed that management is the responsibility of a few individuals at the top of an organisation. However, this assumption is largely unfounded. Romme proposes that within professional management, the evidence, tools and systems used are equally as important as the human agents within an organisation. Misconceptions about managing being carried out by a few individuals within an organisation represent a major barrier in professionalising the management discipline. This is because such a belief allows for opportunism and arbitrariness to become dominant within management practice.

In light of these issues, Romme argues that the future of the management discipline is dependent on the rise of new forms of management, which draw upon the principles of distributed leadership. These principles are what allow aviation technology to be highly reliable in contrast with other methods of transporting people and goods. Modern aircraft contains thousands of sensors and signalling systems, which allow the pilot to anticipate, analyse and solve problems in an automated way. However, the principles of distributed leadership are largely ignored by individuals managing other types of organisations, resulting in highly unethical management practices in these organisations.

MANAGEMENT AND AVIATION
Drawn upon, the example of aviation allows for a novel way of approaching the management discipline, according to Romme. Management is often compared with professions such as medicine and law, which were created and institutionalised in the 18th and 19th century. The analogy between management and aviation is thus more appropriate because both professions emerged and developed during the 20th century.

The analogy with aviation, as well as other 20th century professional disciplines, is also helpful because of the pragmatist understanding of the links between Aristotle’s three concepts of knowledge. These concepts are ‘episteme’, ‘techne’ and ‘phronesis’, representing scientific, instrumental and reflective knowledge respectively. These 20th century disciplines thrive on the interaction between these three forms of knowledge.

In contrast to these ideas, management scholars have tended to form ‘closed loops of scholarship’, focusing upon rigour, relevance or reflection. Management scholars could learn the value of embracing a pragmatist, inclusive approach to effectively build a professional discipline from aviation. This would improve the ability of management scholars to guide and inform management practices. Management research as a driver of professionalisation can thus become a reality.

Despite the usefulness of the aviation and management comparison, Romme highlights the limitations of this analogy. These limitations arise because the current sophisticated management technology is more similar to the aircraft and management comparison, Romme has pioneered a ‘sociocratic’ approach to circular management since the 1970s. More recently, this approach has been repackaged into ‘holacracy’ or ‘holocratic circular management.’ These approaches can potentially act as a sensor or measuring device, which is inherently less predictable.

CIRCULATION AND MANAGEMENT
Circular management demonstrates the way in which principles of distributed leadership and circularity can be applied to management. Gerhard Endenburg, a Dutch engineer and entrepreneur has pioneered a ‘sociocratic’ approach to circular management since the 1970s. More recently, this approach has been repackaged into ‘holacracy’ or ‘holocratic circular management.’ These approaches can ease the burden of managers within an organisation, as well as driving organisational resilience and innovation.

Circular management proposes that power and leadership are distributed throughout an organisation, whilst simultaneously maintaining a clear hierarchy. This hierarchy is conceptualised as a sequence of abstraction, rather than as levels of authority. Circular management suggests that individuals take on roles as needed, rather than individuals being permanently and exclusively placed in management or other positions within an organisation.

Both sociocratic and holocratic approaches are based on these principles. However, within a sociocratic approach, all roles are defined and each individual is typically assigned to a single role. In the holocratic approach, individual workers can create new roles, with the opportunity for each individual to take on multiple roles.

Several hundred organisations are currently implementing circular management approaches, either in sociocratic or holocratic form. These tend to be small to medium-sized companies. Examples include the Dutch design agency Fabrique and the Brazilian agribusiness Terra Viva. Large, publicly owned companies have rarely applied circular management approaches. An exception is Zappos, a division of Amazon, in which the implementation of holacracy is an ongoing effort.

Unlike sociocracy, holacracy has only been developed recently and thus it is not yet possible to evaluate its long-term impact in organisations. Romme highlights that companies which have implemented a sociocratic approach are all leaders.
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Firstly, that implementing either misconceptions surrounding the levels of the organisational hierarchy. Romme also outlines a number of organisations have successfully demonstrated how principles of circulatory power and authority enhance organisational resilience and performance as well as sustain empowerment at all levels of the organisational hierarchy.

blueprint is acceptable. Thirdly, that these misconceptions can be addressed by redefining hierarchy as a sequence of abstraction, refining organisational ownership as organisations which ‘own themselves’, and adopting ‘informal consent’ as the primary rule for making major (i.e. so-called policy) decisions.

**MANAGEMENT PROFESSIONALS (INTER) ACTION AS A GRAND CHALLENGE**

For Romme, the quest for management as a science-based profession represents a grand societal challenge. A grand societal challenge involves numerous interactions and nonlinear dynamics, highly uncertain parameters and consequences as well as multiple criteria to evaluate its effectiveness. Such challenges require collective responses, in which diverse individuals work together for an extended period of time. Any grand challenge has multiple solutions and thus there is a need for continuous experimentation. Circular management approaches can be conceptualised as an ongoing experiment in the quest for professionalism. Such approaches can be experimented with, along with other strategies in order to address this grand challenge.

in their respective fields. Furthermore, these organisations have successfully demonstrated how principles of circulatory power and authority enhance organisational resilience and performance as well as sustain empowerment at all levels of the organisational hierarchy. Romme also outlines a number of misconceptions surrounding the implementation of circular management. First, that implementing either sociocracy or holacracy means inevitably abandoning the corporate hierarchy. Secondly, that once the blueprint of sociocracy or holacracy has been adopted, any strategy to achieve this...