Transforming the public sector for a just and sustainable society and future trends

Sanyasorn Swasthaisong[1], Thipaporn Klawklong[2*], Sasinan Toochaleesrithin[3], Ratchadaphorn Thirawan[4], Aekarach Multha[5]

[1*] Doctor of Public Administration Program, Faculty of Management Science, Sakon Nakhon Rajabhat University, Thailand

[2, 3, 4] Faculty of Humanities and Social Sciences, Sakon Nakhon Rajabhat University, Thailand

[5] Human Resources and Legal Affairs Division, Central Division, Office of the President, Sakon Nakhon Rajabhat University, Thailand

Corresponding author's e-mail: sanyasorn@snru.ac.th[1], thipaporn@snru.ac.th[2],

Sasinantoocha@gmail.com[3], ratchadaphorn.th67@snru.ac.th[4], aek.mtm@gmail.com[5]

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ABSTRACT

This article analyzes the transformation of Public Administration from traditional approaches to new public governance, driven by social, political, and economic changes. Traditional Public Administration focuses on adherence to regulations and a clear division between officials and citizens. Management-oriented Public Administration adopts private sector methods to enhance efficiency, while Service-oriented Public Administration prioritizes public satisfaction and government-citizen relationships. Governance-oriented Public Administration emphasizes collaboration and digital technology to meet citizens' needs. Digital tools enhance sustainability by streamlining operations, enabling data-driven decisions, and fostering transparency. Collaboration among government, private sectors, and civil society drives innovative solutions to complex issues. For public administrators, this transformation highlights the importance of adopting digital platforms for service delivery and citizen engagement. It also emphasizes the need to build cross-sector partnerships and actively involve citizens in decision-making, ensuring trust and long-term sustainability in the digital era.

Introduction

Public Administration serves as the foundation for developing systems that prioritize public benefits by efficiently managing resources. The government aims to maximize the use of budget, human resources, and technology for the greater good (Denhardt & Denhardt, 2015). Appropriate and sustainable policy formulation not only fosters stability in economic, political, and social aspects but also emphasizes transparency and public participation through information disclosure and consultation processes. These

approaches build trust between the government and the public. Furthermore, ethical governance remains a cornerstone of Public Administration, ensuring that societal needs are effectively addressed.

In the digital age, Public Administration is evolving through the integration of advanced technologies such as artificial intelligence (AI) and big data. These tools enhance decision-making accuracy, increase efficiency, and reduce operational costs and time (Heeks, 2006). Notably, AI and big data play a crucial role in addressing social inequalities. For example, AI-powered analytics can identify underserved populations, enabling governments to allocate resources more equitably. Big data analysis can help develop targeted policies for vulnerable groups, such as improving access to education, healthcare, and basic public utilities. However, the challenge lies in balancing efficiency with equity. Overemphasis on technological efficiency risks marginalizing vulnerable populations who may lack access to digital tools or infrastructure. Therefore, governments must ensure that digital solutions do not inadvertently widen the gap between different social groups.

Public Administration also grapples with challenges in maintaining this balance. While technology can enhance service delivery and policy formulation, it raises concerns about privacy, data security, and inclusivity. Ethical considerations, such as ensuring unbiased algorithms and fair representation in decision-making, are essential in creating a just administrative system. These challenges require continuous monitoring and adaptation to maintain a balance between efficiency and equity.

Importantly, Public Administration's commitment to addressing social inequalities extends to promoting equal opportunities for all. It seeks to ensure access to basic services and resources, enabling individuals to participate fully in national development processes (World Bank, 2021). In this sense, Public Administration transcends academic study and becomes a critical tool for building a resilient and sustainable society.

This academic article aims to analyze the significance of Public Administration in the context of development and management in the digital age, emphasizing its role as a science that fosters sustainable development. The article is structured into three main sections: the introduction outlines its importance and objectives, the content explores foundational concepts and the role of digital technologies in public administration, and the conclusion summarizes key findings and provides recommendations for future development. By addressing challenges in balancing efficiency and equity, this article highlights Public Administration's evolving role in driving societal progress in the digital era.

Traditional public administration (TPA)

Public Administration is a critical discipline for managing and developing the public sector to address societal and individual needs. Over time, Public Administration has evolved its concepts and theories, ranging from traditional approaches like bureaucracy and scientific management to those that emphasize human relations and adaptability. These developments reflect efforts to improve governance processes to align with changing social, economic, and political contexts. In recent decades, the concept of New Public Governance has gained traction, focusing on collaboration between government, the private sector, and civil society. This shift highlights the increasing need for governments to adapt to modern challenges, including technological advancements and rising citizen demands.

What is traditional public administration?

Traditional Public Administration (TPA) refers to a governance system rooted in rigid management principles, characterized by clear hierarchies, centralized control, and adherence to rules. It focuses on efficient and systematic operations, with decision-making concentrated in the hands of government officials. Prominent academics provide the following perspectives:

Dunn (2003): TPA emphasizes operational enforcement of rules and resource allocation within a hierarchical government framework.

Bardach (2012): It prioritizes rule enforcement and lacks focus on internal reform or organizational adaptation.

Norton (2008): TPA operates as a hierarchical, rule-based management model.

Stillman (2000) & Fesler (2006): TPA emphasizes centralized missions and structured organization.

In essence, TPA delivers orderly public services by strictly adhering to regulations and centralized decision-making. However, this rigidity often limits flexibility and adaptability to societal changes.

Key characteristics of traditional public administration

TPA relies on a bureaucratic framework and centralized control to maintain efficiency and neutrality in public services. Its core principles include:

1. **Bureaucratic structure:** Rooted in Max Weber's principles of clear labor division, hierarchical command, and strict rule-based operations to prevent bias (Weber, 1947).

2. Scientific management: Frederick Taylor's focus on analyzing work processes, standardizing tasks, and maximizing efficiency (Taylor, 1911).

3. **Politics-administration dichotomy:** Wilson (1887) advocated for separating administration from politics to ensure neutrality.

4. **Rule-based operations:** Simon (1946) emphasized the importance of formal rules to prevent bias.

5. **Efficiency and neutrality:** Gulick & Urwick (1937) stressed efficient service delivery and non-political administration.

6. **Centralized control:** Fayol (1949) highlighted centralized authority to maintain organizational order.

7. **Administrators as implementers:** Administrators execute policies without participating in policymaking (Weber, 1947).

Successes and failures of TPA in modern challenges

While TPA's structured and rule-based approach was highly effective during industrialization and early public sector development, it faces challenges in modern contexts:

Success stories

- The establishment of social welfare programs during the mid-20th century showcased TPA's ability to systematically address societal needs. For example, the U.S. Social Security Administration (SSA) effectively implemented large-scale programs by leveraging its hierarchical and rule-based framework.

- Disaster management responses, such as those by the Federal Emergency Management Agency (FEMA), have relied on TPA principles to provide swift and organized relief.

Failures

- The Hurricane Katrina response in 2005 highlighted the limitations of rigid bureaucratic structures. Centralized decision-making delayed critical on-the-ground responses, exposing the inefficiencies of TPA in managing complex, dynamic crises.

- TPA's inability to incorporate citizen participation or adapt to rapid technological advancements has led to dissatisfaction in public service delivery, such as delays in adopting e-governance systems in some developing nations.

Comparison: TPA vs. adaptive governance models

Traditional Public Administration contrasts sharply with modern adaptive governance models, which emphasize flexibility, innovation, and stakeholder collaboration Table 1

Table 1 Comparison: TPA vs. adaptive governance models

Aspect	Traditional public administration	Adaptive governance models
Structure	Hierarchical and rigid	Decentralized and flexible
Decision-Making	Centralized authority	Collaborative and participatory
Focus	Rule compliance and efficiency	Innovation and responsiveness
Public Engagement	Minimal citizen involvement	Active public participation
Technology Adaptation	Slow and reactive	Proactive and tech-driven

Adaptive governance, seen in the rise of digital platforms like Estonia's e-Government initiative, highlights how flexibility can enhance service delivery, transparency, and citizen satisfaction.

In summary, traditional Public Administration has played a foundational role in the evolution of governance, offering a structured and rule-based approach to public sector management. However, its rigid framework has struggled to keep pace with the complexities of modern governance. As societies face challenges like globalization, technological disruption, and rising citizen expectations, adaptive models that embrace collaboration, innovation, and responsiveness have become essential. Moving forward, integrating TPA's strengths—such as its emphasis on order and efficiency-with the adaptability of modern frameworks can help governments address the demands of an ever-changing world

Management-oriented public administration (MPA)

The concept of New Public Management (NPM) gained prominence in Western countries, particularly the United Kingdom and New Zealand, during the late 1970s and early 1980s. The main objective was to increase the efficiency of public administration by adapting management approaches from the business sector to the public sector to be more effective. NPM emphasizes decentralization, performance measurement, the use of market mechanisms in administrative processes, and providing government agencies with greater flexibility in operations (Hood, 1991).

Proponents of NPM include David Osborne and Ted Gaebler (1992), who proposed reforms emphasizing a streamlined approach to public administration similar to the private sector. This included delegation of power to local governments and performance measurement systems. Christopher Hood (1991) described NPM as the introduction of private-sector management techniques into the public sector, focusing on cost control and accountability. Mark Moore (1995) added the idea of creating "public value" through efficient service delivery and resource utilization.

While MPA has become a cornerstone of modern public administration, it has also attracted criticism for its limitations and potential negative impacts.

Criticisms of management-oriented public administration

1. **Overemphasis on efficiency over equity** One significant critique of MPA is its tendency to prioritize efficiency at the expense of equity and inclusiveness. While cost-cutting and performance optimization are central to NPM, this focus can lead to reduced access to public services for marginalized groups. For instance, privatization or the use of market mechanisms may create barriers for lower-income populations if services become cost-prohibitive. Behn (2001) argues that balancing efficiency with fairness should remain a core principle of public administration to prevent exacerbating social inequality.

2. **Potential for fragmentation and loss of cohesion** Decentralization, a key feature of MPA, allows local governments to make decisions more effectively. However, it can also lead to inconsistencies in policy implementation and uneven service delivery. For example, local agencies may lack the capacity or resources

to address complex, cross-regional issues, which may result in fragmentation and inefficiency at a broader scale (Pollitt & Bouckaert, 2011).

3. **Accountability challenges** While MPA seeks to improve transparency, the reliance on private-sector practices can sometimes obscure accountability mechanisms. The involvement of multiple service providers through competitive bidding and outsourcing can make it harder to pinpoint responsibility for service failures. Hood (1991) highlights the difficulty of maintaining clear accountability lines in such hybrid systems.

4. **Risk of over-bureaucratization** Paradoxically, attempts to streamline public administration can lead to the creation of additional bureaucratic layers, such as monitoring and evaluation units, which may add complexity and administrative costs rather than reducing them.

Case Studies of successful implementation

1. **United Kingdom: Public health service reforms**
In the UK, the implementation of NPM principles in the National Health Service (NHS) during the 1990s demonstrated both the potential and challenges of MPA. By introducing performance-based funding and market mechanisms, the NHS improved operational efficiency and reduced waiting times for certain services. However, critics pointed out that these reforms occasionally prioritized financial targets over patient care quality, illustrating the need for balance between efficiency and equity.

2. **New Zealand: Local government efficiency**
New Zealand's adoption of NPM principles in local government reform is often cited as a success. By decentralizing decision-making and introducing performance contracts for public agencies, the country achieved greater financial discipline and responsiveness to local needs. For instance, water and waste management systems in Auckland were significantly improved through public-private partnerships (PPPs), reducing costs and increasing service reliability.

3. **Singapore: Technological integration in public services**
Singapore's government has effectively leveraged NPM principles by integrating technology and innovation into public administration. Through initiatives like the "Smart Nation" program, the government employs data analytics, online platforms, and digital infrastructure to enhance service delivery and transparency. This approach exemplifies the use of technology to modernize public administration while maintaining a high standard of equity and accessibility.

In summary, management-oriented public administration (MPA) is an approach that emphasizes the application of business management principles to the public sector to enhance efficiency, accountability, and responsiveness. While it offers valuable tools for improving public service delivery, it is not without its challenges. Overemphasis on efficiency may compromise equity, and decentralization can lead to uneven service quality. Successful implementation often depends on striking a balance between efficiency, equity, and accountability.

Looking ahead, governments must address these critiques by adopting a more holistic approach that includes inclusive policy-making, robust accountability mechanisms, and innovative technology integration. The focus should not only be on achieving efficiency but also on fostering social equity, enhancing citizen participation, and promoting sustainable development in public administration practices.

Service-oriented public administration (SPA)

Service-oriented public administration is a concept that integrates service management theory with public administration theory to enhance the efficiency and effectiveness of public service delivery. The primary goal is value co-creation between service providers and citizens, with an emphasis on dynamic

interactions that cater to user needs. However, this approach also requires balancing public policies and political regulations in certain instances.

What is service-oriented public administration?

Service-oriented public administration is a concept that combines service management theory with public administration to improve the quality and efficiency of public services and better meet the needs of citizens. Public service provision involves more than simply complying with government policies-it also fosters positive relationships between government agencies and the public. Central to this concept is co-creation, a process where the public actively participates in the design, delivery, and evaluation of services. This approach aims to ensure that services meet the needs of citizens and deliver maximum satisfaction to service recipients. This marks a shift from traditional models, which emphasize a top-down management approach, to one where citizens actively engage in the development of public services (Ronning & Sonderskov, 2021).

The focus of service-oriented public administration

Service-oriented public administration emphasizes developing public services that are efficient, high-quality, and responsive to the needs of citizens. This approach recognizes that the government's role has evolved from merely being a policy maker to also being a service provider, ensuring that services are accessible, timely, and appropriate for citizens' needs.

1. **Basic concept of service-oriented public administration** This concept prioritizes service delivery over organizational structure or process. The public sector must adapt to meet citizens' expectations, ensuring that services such as education, healthcare, and transportation are provided efficiently and fairly.

2. **Public service provision** The concept focuses on enhancing the quality of life for citizens through services that are not only accessible but also resource-efficient. Digital technology, including online systems and mobile applications, facilitates quicker and more convenient access to services, improving the overall service experience.

3. **The importance of service measurement** For government services to remain effective and continue improving, service measurement becomes essential. Indicators such as service duration, public satisfaction, and the value-for-money of resources used can help evaluate service quality (O'Faircheallaigh, 2007). These metrics are crucial for identifying areas that need improvement.

4. **Development of civil servants' abilities** High-quality service delivery relies on the skills and competencies of civil servants. Continuous training and skill development-especially in communication and problem-solving-are vital for increasing public satisfaction with services (Perry & Hondeghem, 2008).

5. **Public administration in the digital age** In the digital era, governments can no longer rely on outdated practices. Modern technologies such as big data, artificial intelligence (AI), and online platforms help enhance service efficiency, improve decision-making, and deliver relevant and contemporary services to the public (Bertot et al., 2012).

Key principles of service-oriented public administration

Denhardt (2008) proposed several key principles for the New Public Service (NPS), which serve as the foundation for Service-oriented Public Administration:

1. **Serve citizens, not customers**: Unlike businesses that view their clients as customers, the government's role is to serve all citizens equally, ensuring fair and equitable service delivery.

2. **Emphasize public interest**: The search for public interest must be a collaborative effort between citizens and public administrators. The public interest should guide decisions, with democratic principles and equity as foundational values.

3. **Prioritize citizenship over entrepreneurship**: The government's role is to serve citizens and preserve public resources, rather than promoting entrepreneurial agendas. Civil servants must foster democratic dialogue and work collaboratively with citizens.

4. **Think strategically, act democratically**: Policies and plans should be based on strategic thinking, considering environmental factors and long-term goals. Successful implementation requires cooperation from all stakeholders, not just government officials.

5. **Recognize accountability's complexity**: Unlike the New Public Management (NPM) model, which focuses on accountability to the market, the NPS framework expands the scope of accountability to include constitutional, community, and citizen responsibilities.

6. **Serve rather than steer**: Civil servants are facilitators who guide society toward common benefits, rather than attempting to control or direct it. Decisions should be guided by the public interest and aim to foster collaboration.

7. **Value people, not just productivity**: Government operations should prioritize the well-being of citizens and recognize the value of public servants. The success of government operations depends on mutual respect and cooperation.

Addressing challenges and measuring success in service-oriented public administration

While service-oriented public administration offers significant potential to enhance public service delivery, challenges remain in its implementation. Resource constraints, such as budget limitations and staffing issues, can hinder the full realization of service improvements. Moreover, measuring the success of public services can be complex, as it involves not only quantitative indicators but also qualitative aspects such as citizen satisfaction and engagement.

To overcome these challenges, it is essential to explore effective ways to measure success. Key metrics could include citizen satisfaction surveys, service accessibility, response times, and the cost-effectiveness of services. By continually monitoring these indicators, governments can adapt services to meet citizens' evolving needs and ensure high levels of public satisfaction.

In summary, service-oriented Public Administration represents a shift toward providing citizens with high-quality services that are responsive to their needs. It focuses on the active participation of citizens in service co-creation and emphasizes the government's role in delivering public value. By applying principles such as accountability, democratic engagement, and continuous service improvement, this approach aims to foster better governance and enhance citizens' trust in public institutions (Schneider & Ingram, 1993; Osborne & Gaebler, 1992). Ultimately, Service-oriented Public Administration seeks to create a positive service experience for all citizens, ensuring that government services are efficient, fair, and aligned with the public interest.

Governance-oriented public administration: A transformative approach to public administration

The concept of New Public Governance (NPG) centers around a shift in public administration towards greater collaboration and participation. Unlike traditional models that focus primarily on hierarchical control, NPG promotes cooperation between the government, the private sector, and civil society to achieve common goals (Osborne, 2010). This approach challenges the belief that government should control and centralize power alone, drawing influence from John Dewey's philosophy of democracy and citizen participation, as well as the work of Osborne and Gaebler in "Reinventing Government" (Osborne & Gaebler, 1992). The foundational tenets of NPG include openness to stakeholder participation, the creation of collaborative networks, and the development of policies that consider broader social impacts (Klijn & Koppenjan, 2016).

In comparison with traditional Public Administration (TPA) and Market-oriented Public Administration (MPA), NPG emphasizes:

1. **Collaboration over control:** TPA is centered on top-down control, focusing on centralized management within government structures. MPA emphasizes market-driven solutions with performance evaluation, often neglecting cooperative efforts. NPG, however, sees collaboration as essential to addressing societal issues (Osborne, 2010).

2. **Inclusive participation:** Traditional models generally limit participation to government entities, whereas NPG encourages involvement from the private sector and civil society. This inclusivity enhances decision-making processes and makes them more reflective of diverse societal needs (Koiman, 1999).

3. **Sustainability and long-term focus:** TPA and MPA often prioritize immediate results, while NPG emphasizes sustainable development across social, economic, and environmental dimensions (Osborne, 2010).

4. **Role of technology in collaboration and transparency:** In NPG, technology serves as a critical enabler for governance efficiency. Digital tools facilitate public access to information, encourage public feedback, and streamline coordination among sectors. For instance, digital platforms that disclose public data, combined with real-time citizen feedback mechanisms, foster transparency and accountability. This aspect is vital for building trust and improving public services in today's digital age (Bryson, Crosby, & Bloomberg, 2014).

Key attributes of new public governance (NPG)

1. **Collaboration**: NPG eliminates the need for a single agency to solve societal problems. By promoting cooperation among government, private sectors, and civil society, NPG facilitates more effective responses to complex issues such as public health crises and economic development challenges (Rhodes, 1997).

2. **Participation**: One of the core principles of NPG is that decision-making should include all relevant stakeholders, not just the government. Citizens and organizations alike should play a role in shaping public policies, which enhances inclusivity and ensures that policies address the needs of diverse communities (Koiman, 1999).

3. **Public service as a collaborative process**: In NPG, public service is seen as a shared responsibility. Service delivery becomes a collaborative effort, where various agencies work together, rather than the government being the sole provider. This approach improves service outcomes by incorporating multiple perspectives and expertise (Ansell & Gash, 2008).

4. **Transparency and accountability**: NPG emphasizes the need for transparency in the functioning of government institutions. Through open data, transparent financial management, and adherence to ethical governance principles, the government can build public trust and ensure accountability (Peters, 2010).

The role of technology in enhancing NPG

Technology plays a pivotal role in enabling the principles of NPG. By harnessing digital tools, the government can improve transparency and collaboration across sectors:

- **Public information disclosure**: Digital platforms make government actions more transparent by publicly sharing data and decisions. This openness encourages accountability and fosters citizen engagement.

- **Public feedback mechanisms**: Through online consultations, surveys, and social media, citizens can easily provide feedback on policies and services, allowing governments to respond to emerging concerns in real-time.

- **Intersectoral coordination**: Technologies such as cloud computing and collaborative software enable seamless coordination between government agencies, private companies, and civil society organizations, facilitating faster decision-making and implementation.

In addition to promoting transparency, these technologies also help reduce administrative inefficiencies and enhance government responsiveness. The use of technology in public governance leads to better-informed decisions and empowers citizens to engage with their governments in meaningful ways.

So, the transition to a New Public Governance model represents a departure from traditional bureaucratic structures. Unlike TPA, which centers around government control, or MPA, which leans toward market-driven solutions, NPG emphasizes collaboration, inclusivity, and sustainable development. Technology plays a significant role in this transformation by enhancing governance through improved transparency, public participation, and intersectoral collaboration. By prioritizing these elements, NPG fosters an environment where government, private sector, and civil society can work together to address complex societal challenges.

As societies continue to evolve, the flexibility, inclusivity, and transparency inherent in NPG will be essential in building a more equitable and sustainable future. By embracing new technologies and collaborative governance frameworks, public administration can better respond to the needs of citizens and adapt to an ever-changing world.

Future trends in public administration

The development of public administration in the future must respond to social changes, technological advancements, and the increasingly complex political context in the digital age. Future trends will reflect changes in various aspects that are crucial for adapting the governance and public administration system to meet both global and domestic challenges (Osborne, 2010).

1. **Application of Technology in public administration (digital governance):** One significant trend is the use of digital technology to improve public services. Information and communication technology (ICT) allows the public sector to offer faster and more efficient services, with a focus on utilizing big data and artificial intelligence (AI) for accurate decision-making and increasing efficiency in various processes (Linders, 2012). For instance, the government of Estonia has implemented e-government strategies to provide digital services to citizens efficiently. However, there are risks of over-reliance on technology, such as data security breaches and inequality in access to technology.

- **Transparency and flexibility:** Future trends will emphasize transparency and flexibility in public administration. Quick and efficient responses to public needs will be the key focus. By creating transparency in public administration and decision-making processes, governments can build public trust and reduce corruption (Svara, 2014). Public participation in decision-making is vital for future public administration. Enabling citizens to contribute to policy design and political processes will allow governments to better understand the real needs of the people and develop policies that respond to them (Arnstein, 1969).

- **Sustainable development:** Future public administration will focus on promoting sustainability in social, economic, and environmental dimensions. Tackling challenges like climate change and poverty reduction will require more attention from governments (Pires, 2016). Governments around the world are implementing policies that prioritize sustainability, such as the European Union's Green Deal, which aims to achieve carbon neutrality by 2050.

- **Social Justice and inclusion:** Promoting social justice and inclusion will be crucial in the future. Providing opportunities and resources to disadvantaged groups, such as indigenous peoples and socially marginalized communities, will be integral to improving governance systems (Fung, 2006).

2. **Performance management:** In the future, performance management in public administration will focus on evaluation and result-oriented management. Governments will emphasize measurable and evaluative metrics to continuously improve public services (Hood, 2006).

3. **Risk management and crisis response:** Governments must be prepared for future crises, such as health emergencies or natural disasters. Preparedness and rapid responses are essential to maintain social

and economic stability (Boin & Hart, 2003). The COVID-19 pandemic highlighted the importance of agile and resilient crisis management frameworks that can adapt to unforeseen challenges.

4. **Education and leadership development in the public sector:** Developing leaders who can manage the public sector amid rapid change will be critical. Public sector leaders will need expertise in technology, change management, and cross-sector collaboration (Northouse, 2018).

5. **Strengthening international cooperation:** A key future trend is the establishment of international cooperation to address transboundary issues like climate change and managing disease outbreaks (Keohane, 2005). For example, the World Health Organization (WHO) plays a pivotal role in coordinating global health responses.

6. **Public sector education and training reform:** Developing the necessary knowledge and skills for working in the public sector is essential for preparing future administrators. Public administration education must evolve to keep pace with technological advancements and global changes (Bovens, 2008).

The development of public administration in the future must consider the many dimensions of technology, public participation, sustainable development, and results-oriented management. Responding to these challenges will help governance systems address future problems effectively.

- Technology and digital governance

Digital technologies are playing a central role in public administration by enhancing the efficiency of public services and executive decision-making. For example, the use of AI and big data in countries like Singapore has improved the accuracy of policy forecasting and planning (Mergel et al., 2019). These technologies can also reduce administrative complexity by automating repetitive tasks and integrating data across government agencies. The establishment of "e-government" initiatives promotes transparency and enhances citizen participation in policymaking (United Nations, 2020). However, challenges such as the risk of data breaches, technological inequality, and the digital divide must be carefully managed to ensure equitable access to services.

- Importance of sustainability and development

Sustainability has become a core focus in public administration, with an emphasis on balancing economic, social, and environmental growth (United Nations, 2015). Compliance with the Sustainable Development Goals (SDGs) provides a framework for public agencies to improve resource efficiency, reduce inequality, and protect the environment (Bexell & Jönsson, 2021). Governments worldwide must focus on sustainable natural resource management to mitigate the impacts of climate change, one of the most pressing challenges of the future.

- Managing in a rapidly changing environment

The increasing uncertainty and speed of change in the digital world necessitate that public administration evolves to handle economic, social, and health crises (Ansell et al., 2021). Public administrators must be resilient and adaptable to manage complex problems effectively. Collaborative governance models can enhance cooperation between the public, private, and civil society sectors, enabling joint solutions to societal challenges (Klijn & Koppenjan, 2016).

In conclusion, the future of public administration will be shaped by new complexities and challenges related to technology, sustainability, and rapid change. Effective governance will require the integration of technological knowledge, sustainability principles, and multidimensional collaboration to adapt and make a positive impact on future societies.

Body of knowledge "The transformation to a new paradigm"

The development of public administration in the digital age reflects the need for the adaptation of the public administration system to cope with complex changes at both the global and local levels. Public administration paradigms are shifting from traditional hierarchical models that emphasize rigid control to

systems that encourage participatory governance, embrace technology, and prioritize transparency. This transformation aims to create sustainable development and effectively address the needs of modern society.

1. **The traditional hierarchical public administration structure:** The traditional model prioritizing bureaucratic hierarchy and strict regulations has proven to be inadequate in tackling the complex and rapidly evolving problems faced today. Consequently, a more flexible approach is necessary. This new model encourages collaboration among various agencies, including government bodies, the private sector, and the public, facilitated through networks of cooperation. An example of this transition can be seen in Estonia, where e-government initiatives allow the public and private sectors to interact seamlessly through digital platforms, improving service delivery and transparency.

2. **Enhancing public participation:** Decision-making is no longer the sole responsibility of the government but now emphasizes public involvement in setting policy directions and monitoring government performance. This participatory approach builds trust and enhances the diversity of perspectives required to address problems effectively. A global example of successful public participation is found in Switzerland, where direct democracy allows citizens to vote on critical national issues through referendums, ensuring that policies reflect public opinion.

3. **Technology enhances efficiency:** The adoption of digital technologies, such as artificial intelligence (AI), big data, and integrated data management systems, is revolutionizing administrative processes, decision-making, and public services. For instance, Singapore uses AI and data analytics to manage traffic and predict urban development, improving the efficiency of public services. The use of online platforms in countries like South Korea and Finland streamlines government procedures, enhancing public convenience and reducing bureaucratic inefficiencies.

4. **Transparency and excellent governance:** Transparency is at the heart of modern public administration. Open information and regular audits help reduce corruption and build public trust. Good governance ensures that public organizations operate ethically and pursue sustainable development goals. In New Zealand, for instance, the government's emphasis on transparency and accountability has earned it high rankings in global governance indices, fostering a system of trust and integrity.

5. **Sustainable development:** Future public administration must prioritize sustainable development goals in environmental, social, and economic dimensions. Balancing the current needs of the public with the protection of resources for future generations has become a central mission of modern governments. The Scandinavian countries, particularly Sweden and Norway, have integrated sustainability into their public policies by setting ambitious carbon reduction targets while promoting green technologies, which serve as models for other nations.

6. **Results-based administration:** The performance management approach emphasizes clear, measurable goals and transparent evaluation processes. Using indicators and performance assessments, public administrations can continuously improve services and increase efficiency. For instance, Canada's Results-Based Management (RBM) approach in its public sector has enhanced government accountability by focusing on achieving measurable outcomes and ensuring public resources are efficiently utilized.

Future trends

1. **Creating a flexible administrative network:** The future of public administration should position the state as a facilitator rather than a controller, fostering networks where both government and non-government agencies collaborate effectively. Such networks are essential for addressing complex challenges like climate change or disease outbreaks. In the UK, collaborative efforts between the public sector and private firms in the healthcare system, particularly in response to the COVID-19 pandemic, demonstrated the potential of such partnerships in managing large-scale crises.

2. **All levels of administration should integrate technology:** Technology will play a pivotal role in accelerating the adaptation of governments to the digital age. Digital systems, including online services and

centralized data management, are essential for ensuring that government processes are efficient and that services meet the public's needs. In India, the implementation of the Digital India program has drastically improved the accessibility of public services, including banking, healthcare, and education, for millions of citizens.

3. **Increasing sustainability in the administrative process:** Public administration will increasingly focus on economic, social, and environmental sustainability. Governments that successfully balance efficiency with sustainability will set the standard for future governance. A leading example is Costa Rica, where the government has implemented policies to protect the environment while promoting economic growth, positioning itself as a leader in sustainable governance.

Challenges in developing nations

While the shift towards these new paradigms is promising, developing nations face several challenges in adopting them:

- **Limited resources:** Many developing countries struggle with insufficient funding to implement the necessary digital infrastructure and technological advancements. For example, rural areas in African nations may not have the necessary internet access for online government services, limiting their participation in the digital governance process.

- **Institutional inertia:** In some developing nations, entrenched bureaucratic structures resist change, hindering the adoption of more flexible and participatory systems. This resistance can delay the implementation of reforms aimed at improving governance.

- **Digital literacy:** In regions where digital literacy is low, such as parts of South Asia and Africa, there is a need for comprehensive training and education programs to ensure citizens can participate fully in digital governance.

- **Corruption and transparency issues:** In many developing nations, corruption remains a significant barrier to transparency and good governance. Overcoming this challenge requires not only technological solutions but also a cultural shift towards greater accountability and openness.

In summary, the new paradigm of public administration in the future will emphasize citizen participation, the use of digital technology to improve efficiency and transparency, and the creation of sustainable and flexible systems to address global and local challenges. This shift represents a move from centralized to collaborative administration, where all sectors of society work together to shape a sustainable and equitable future. However, the successful implementation of these changes will require overcoming challenges, particularly in developing nations, where limited resources and structural barriers must be addressed to enable widespread participation and efficient governance.

Conclusion

Public administration in its various forms has evolved over time, influenced by numerous factors, both internal and external to government structures. Shifts in society, politics, and the economy have continuously shaped the conceptualization of public administration. This article analyzes the evolution of public administration from traditional models to governance-oriented frameworks, and discusses their relevance in contemporary public governance. The analysis is structured as follows:

1. **Traditional public administration (TPA)** This model emphasizes strict adherence to regulations, with a clear distinction between the roles of government officials and citizens. Max Weber's theory of bureaucracy, which stresses organization and administration according to formal rules (Weber, 1946), heavily influenced TPA. Bureaucratic structures within this framework focus on procedure, fairness, and equality, ensuring that public services are delivered in a structured manner (Peters, 2010). Although TPA is often criticized for its rigidity, it remains relevant in areas where predictability, rule of law, and standardized service delivery are paramount.

2. **Management-focused public administration (MPA)** The core principle behind this model is to incorporate private-sector management practices to enhance efficiency and reduce complexity in public sector operations (Hood, 1991). This shift towards management efficiency has resulted in the restructuring of public organizations, incorporating technology to streamline operations (Osborne & Gaebler, 1992). New Public Management (NPM) reform focuses on privatizing service delivery, ensuring cost reduction, and improving public sector performance through competitive practices (Pollitt & Bouckaert, 2004). In addition, NPM promotes decentralization and encourages increased autonomy for public organizations to better meet the needs of citizens (Bevir, 2011). The implementation of NPM models should emphasize transparency, accountability, and continuous adaptation to evolving public needs.

3. **Service-oriented public administration (SPA)** The introduction of the New Public Service (NPS) concept marked a shift towards citizen-centered governance, addressing the limitations of MPA by prioritizing citizen needs and fostering beneficial relationships between the government and the public (Denhardt & Denhardt, 2000). NPS emphasizes citizen participation in decision-making, ensuring services are aligned with societal values and needs (Denhardt, 2009). This model also underscores the importance of efficiency, fairness, and establishing public trust. For policymakers, it is crucial to implement strategies that actively engage citizens in shaping policies, ensuring that government actions are responsive and inclusive.

4. **Governance-oriented public administration (GPA)** Emerging from the need to address contemporary societal and political changes, the GPA model focuses on collaborative governance, networked relationships between government, private sector, and civil society (Osborne, 2006). The emphasis on collaborative mechanisms enhances transparency, accountability, and citizen participation in decision-making processes (Kooiman, 2003). Furthermore, GPA stresses the importance of leveraging digital technologies to improve responsiveness and transparency in public services (Harrison & Lober, 2006). For effective implementation, policymakers should foster cross-sector collaboration, promote the use of digital tools for transparency, and ensure the equitable participation of all stakeholders.

Practical applications in contemporary governance

1. **TPA** remains valuable in sectors where compliance with rules and fairness is essential, such as in regulatory agencies or legal frameworks.

2. **MPA** practices are widely adopted in public sector reforms, with applications ranging from streamlining operations to the implementation of technology-driven public services.

3. **SPA** is increasingly relevant in areas such as community engagement, where public administration needs to foster partnerships with citizens and reflect their values.

4. **GPA** is gaining traction in areas requiring cross-sector collaboration, particularly in complex governance systems such as urban planning, climate change, and healthcare, where joint efforts from all sectors are essential.

Actionable recommendations for policymakers

1. **Embrace digital technologies**: Policymakers should integrate digital platforms that enhance transparency, promote public participation, and streamline governance processes.

2. **Foster collaborative governance**: Encourage networks between the government, private sector, and civil society to address complex public issues and improve service delivery.

3. **Ensure accountability and citizen participation**: Implement mechanisms to actively involve citizens in decision-making and policy development, ensuring their concerns and needs are addressed.

4. **Promote continuous improvement**: Adopt a culture of ongoing reform and innovation in public administration, drawing from the lessons of past models to create an agile, efficient, and citizen-centered public sector.

So, the evolution from TPA to MPA, SPA, and GPA illustrates the dynamic responses of public administration to changing societal needs. These models reflect efforts to increase efficiency, foster trust, and improve responsiveness to citizens. As we transition into the digital age, the development of New Public Governance (NPG) will further shape sustainable and adaptive public administration, enabling governments to better serve their citizens in an increasingly interconnected world.

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