### ****Slide 1: Title****

* **What to Present:**
  + "Our presentation is titled Comparing Methods for Large-Scale Agile Software Development: A Systematic Literature Review."
  + "This systematic review evaluates frameworks such as SAFe, Scrum-at-Scale, LeSS, DAD, and the Spotify Model to help organizations make informed decisions on scaling agile methodologies."

### ****Slide 2: Abstract****

* **What to Present:**
  + "The study aims to address the challenges organizations face when scaling agile practices to large-scale environments."
  + "It analyzed 191 empirical studies across 134 organizations, focusing on principles, practices, tools, and metrics."
  + **Add:**
    - "Some key challenges include team alignment and the scalability of agile principles. Identified success factors emphasize organizational alignment and iterative planning."

### ****Slide 3: Introduction****

* **What to Present:**
  + "Agile methods such as Scrum and DevOps are popular at team levels but scaling them for large organizations presents significant challenges."
  + "This study is unique in comparing frameworks empirically, focusing on their principles, practices, tools, and metrics."
  + **Add:**
    - "The paper fills a knowledge gap by addressing issues such as fragmented empirical research and the lack of comparative analyses between methods."

### ****Slide 4: Research Objectives****

* **What to Present:**
  + "The study answers four research questions, including the extent to which large-scale agile methods have been studied, the challenges, and success factors identified."
  + **Add:**
    - "For example, a key question was determining which frameworks align with organizational needs while addressing complexity and interdependencies."

### ****Slide 5: Methodology****

* **What to Present:**
  + "A systematic literature review was conducted, retrieving 35,215 articles initially. After rigorous filtering, 191 primary studies were included."
  + **Add:**
    - "The study followed quality assessment metrics, ensuring a median quality score of 8.0 across papers. The research also included snowballing to identify additional studies."

### ****Slide 6: Results Summary****

* **What to Present:**
  + "Frameworks like SAFe and Scrum-at-Scale emphasize alignment, quality, and iterative planning."
  + **Add:**
    - "SAFe is the most widely used framework in the review, appearing in 19 organizations, while Scrum accounted for 49."

### ****Slide 7: Findings – Principles, Practices, Tools, Metrics****

* **What to Present:**
  + "SAFe emphasizes a Lean-Agile mindset and built-in quality, while Spotify focuses on adaptability through tribes and guilds."
  + **Add:**
    - "SAFe provides tools like Kanban boards and burn-up charts, whereas LeSS and Spotify lack standardized metrics."

### ****Slide 8: Challenges****

* **What to Present:**
  + "Challenges include team alignment, scaling team-level principles, and coordination in dynamic environments."
  + **Add:**
    - "For example, organizations using SAFe found Product Increment planning meetings time-consuming, leading to inefficiencies."

### ****Slide 9: Discussion****

* **What to Present:**
  + "Frameworks are not one-size-fits-all solutions. Organizations must adapt and combine principles to fit their unique contexts."
  + **Add:**
    - "Connecting practices, such as Scrum-of-Scrums, play a vital role in overcoming challenges related to coordination."

### ****Slide 10: Conclusion****

* **What to Present:**
  + "The study emphasizes the need for flexibility in framework selection and highlights the importance of principles over practices."
  + **Add:**
    - "Recommendations include further empirical research on principles, connecting practices, and metrics development for large-scale environments."

### ****Slide 11: Recommendations and Further Research****

* **What to Present:**
  + "Future work should focus on the impact of leadership styles, metrics, and organizational culture on scaling agile frameworks."
  + **Add:**
    - "The study also suggests developing structured approaches for integrating security practices and tools into large-scale agile processes."

### ****Slide 12: Framework Analysis****

* **What to Present:**
  + "Each framework—SAFe, Scrum-at-Scale, LeSS, Spotify, and DAD—offers unique principles and practices tailored for large-scale settings."
  + **Add:**
    - "SAFe incorporates Lean principles with specific tools like Agile Release Trains, while Spotify focuses on autonomous teams organized into squads and tribes."

### ****Slide 13: Research Approach****

* **What to Present:**
  + "The systematic approach categorized data by principles, practices, tools, and metrics, comparing empirical findings across frameworks."
  + **Add:**
    - "For instance, SAFe’s tools like progress charts were heavily researched, while Spotify had gaps in standardized tools and metrics."

### ****Slide 14: Success Factors****

* **What to Present:**
  + "Success factors include strong leadership support, flexible team structures, and a focus on iterative improvement."
  + **Add:**
    - "Custom-built methods were often tailored to organizational needs, highlighting the importance of contextual adaptation."

### ****Slide 15: Inter-Team Coordination Challenges****

* **What to Present:**
  + "One major challenge was synchronizing work across dynamic teams in frameworks like Scrum-at-Scale and LeSS."
  + **Add:**
    - "Studies noted that Scrum-of-Scrums meetings often became inefficient due to communication delays or unresolved dependencies."

### ****Slide 16: Organizational Structure Challenges****

* **What to Present:**
  + "Balancing between specialist and generalist roles remains a significant challenge when scaling frameworks like SAFe or DAD."
  + **Add:**
    - "In some cases, traditional organizational hierarchies conflicted with agile practices, slowing adoption."

### ****Slide 17: Framework-Specific Practices****

* **What to Present:**
  + "SAFe’s Program Increment planning and Spotify’s Lean startup practices were highlighted for their scalability."
  + **Add:**
    - "SAFe provides comprehensive support through tools, while Spotify emphasizes flexibility through its unique team structures."

### ****Slide 18: Metrics and Tools Comparison****

* **What to Present:**
  + "SAFe includes detailed metrics like business agility self-assessments, while LeSS and Spotify lack prescriptive metrics."
  + **Add:**
    - "Tools like Kanban boards and continuous flow diagrams were commonly used in SAFe for transparency and planning."

### ****Slide 19: Evolution of Large-Scale Agile****

* **What to Present:**
  + "Large-scale agile frameworks have evolved to address interdependencies and alignment across multiple teams."
  + **Add:**
    - "The review identified that SAFe, Scrum-at-Scale, and Spotify are increasingly popular due to their adaptability."

### ****Slide 20: Adoption Trends****

* **What to Present:**
  + "SAFe was adopted by 19 organizations in the review, making it the most widely used framework."
  + **Add:**
    - "Scrum-based approaches accounted for 49 organizations, emphasizing its enduring influence."

### ****Slide 21: Method Customization****

* **What to Present:**
  + "Many organizations tailored frameworks to fit their needs, combining elements of SAFe, Scrum, and custom practices."
  + **Add:**
    - "Custom-built frameworks, like Nokia’s HAMRA, showed success when adapted to specific organizational goals."

### ****Slide 22: Tools in Agile Scaling****

* **What to Present:**
  + "Kanban boards, burn-up charts, and shared resources were critical tools in scaling agile practices."
  + **Add:**
    - "SAFe’s portfolio-level metrics provided key insights for strategic decision-making."

### ****Slide 23: Key Principles****

* **What to Present:**
  + "Lean principles, iterative planning, and customer collaboration form the backbone of successful frameworks like SAFe and Spotify."
  + **Add:**
    - "The Spotify model emphasizes adaptability and growth opportunities for employees."

### ****Slide 24: Role of Leadership****

* **What to Present:**
  + "Leadership support was identified as a crucial success factor in implementing large-scale agile methods."
  + **Add:**
    - "Frameworks like SAFe explicitly incorporate leadership buy-in as part of their Lean-Agile mindset."

### ****Slide 25: Research Limitations****

* **What to Present:**
  + "The study noted limited empirical evidence for frameworks like DAD and Spotify."
  + **Add:**
    - "Future research should explore these gaps to better understand their applicability."

### ****Slide 26: Recommendations****

* **What to Present:**
  + "Organizations should adopt a flexible approach, combining practices from multiple frameworks to suit their needs."
  + **Add:**
    - "Further research is needed on principles and metrics for large-scale agile."

### ****Slide 27: Practical Implications****

* **What to Present:**
  + "The findings help organizations make informed decisions on framework selection and adaptation."
  + **Add:**
    - "Connecting practices, like Scrum-of-Scrums, are vital for addressing team coordination issues."

### ****Slide 28: Importance of Metrics****

* **What to Present:**
  + "Metrics such as business agility assessments in SAFe provide valuable feedback for continuous improvement."
  + **Add:**
    - "However, frameworks like Spotify need more standardized metrics."

### ****Slide 29: Future Challenges****

* **What to Present:**
  + "Challenges like managing distributed teams and integrating security practices remain areas for improvement."
  + **Add:**
    - "The study recommends exploring tools and technologies to enhance collaboration and communication."

### ****Slide 30: Knowledge Sharing****

* **What to Present:**
  + "Practices like communities of practice and shared wikis were critical for knowledge sharing in large-scale agile settings."
  + **Add:**
    - "These tools ensure transparency and reduce the risk of miscommunication."

### ****Slide 31: Discussion on Framework Gaps****

* **What to Present:**
  + "SAFe offers a more comprehensive toolset compared to Spotify, which lacks detailed guidance on implementation."
  + **Add:**
    - "This highlights the need for flexibility in adopting frameworks based on organizational context."

### ****Slide 32: Longitudinal Studies****

* **What to Present:**
  + "Long-term studies are necessary to understand the evolving challenges and success factors in large-scale agile adoption."
  + **Add:**
    - "This approach can provide insights into sustaining agile practices over time."

### ****Slide 33: Contributions to Project Management****

* **What to Present:**
  + "The study provides a detailed comparison of frameworks, helping managers choose the right approach for their projects."
  + **Add:**
    - "It also emphasizes the importance of leadership and connecting practices for successful adoption."

### ****Slide 34: Empirical Evidence****

* **What to Present:**
  + "The systematic review is based on 191 primary studies, ensuring a broad and reliable evidence base."
  + **Add:**
    - "Quality assessment scores ranged from 8.0 to 14, reflecting the rigor of the research process."

### ****Slide 35: Success Stories****

* **What to Present:**
  + "Organizations like Nokia and Ericsson successfully adapted frameworks to meet their specific needs."
  + **Add:**
    - "These case studies highlight the importance of customization and leadership support."

### ****Slide 36: Final Recommendations****

* **What to Present:**
  + "Focus on agile principles over strict adherence to practices, and adapt frameworks to organizational needs."
  + **Add:**
    - "Invest in tools and metrics for better visibility and feedback."

### ****Slide 37: Closing Remarks****

* **What to Present:**
  + "This study offers a comprehensive comparison of large-scale agile methods, addressing gaps in empirical research."
  + "The findings provide actionable insights for both researchers and practitioners."
  + **Add:**
    - "Remember, the key to success is flexibility, leadership support, and continuous improvement."